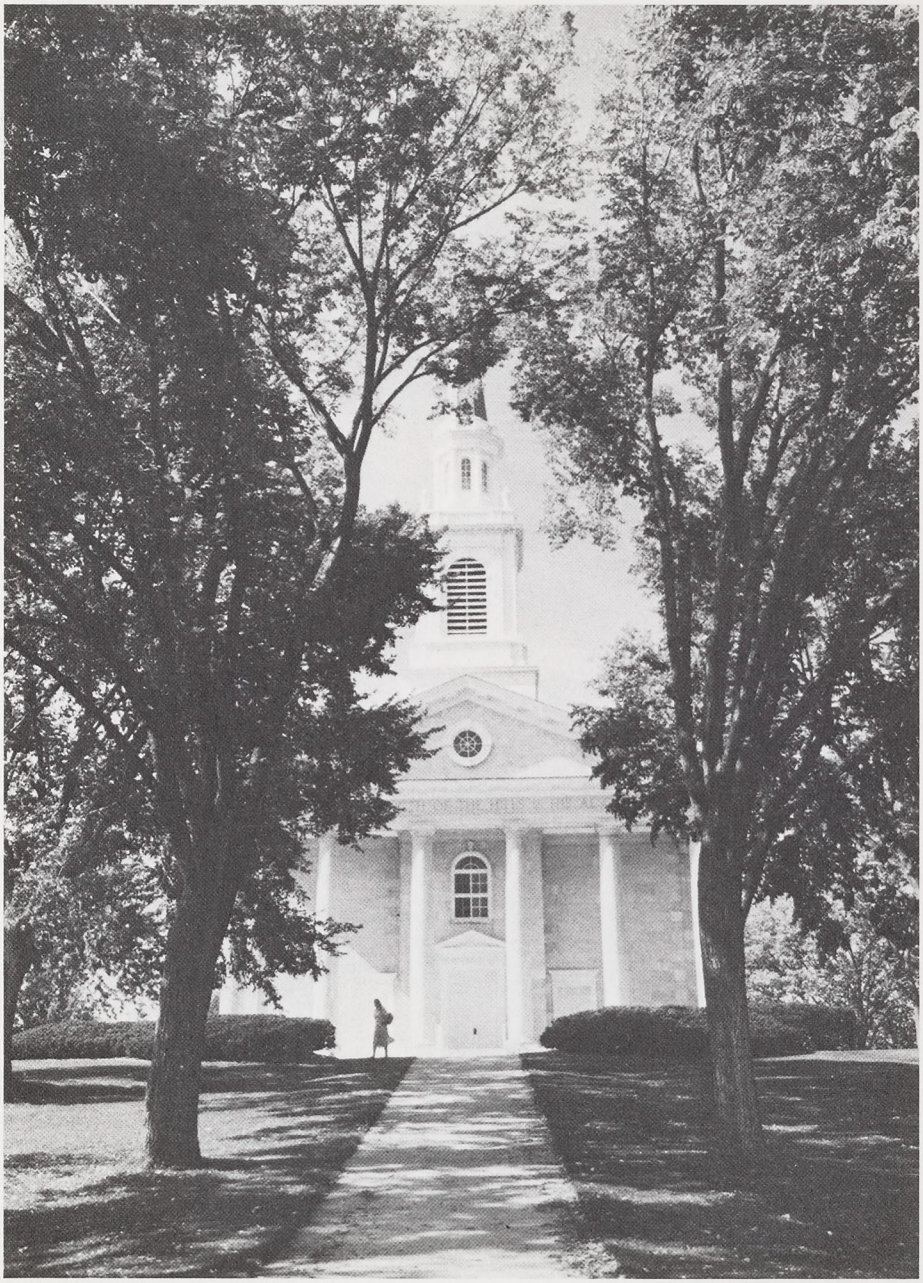

Middlebury College

Course Catalogue Supplement

1985-86

Middlebury College complies with the 1964 Civil Rights Act, Title IX of the Educational Amendments of 1972, the IRS Anti-Bias regulation and Section 504 of the Rehabilitation Act of 1973. In so doing, Middlebury College does not discriminate against any individual on the basis of race, color, sex, religion, ethnic origin or handicap in any of its programs or activities. The Dean of the College, Old Chapel, Middlebury College, Middlebury, VT 05753 (802) 388-3711 is responsible for coordinating the College's efforts to comply with sec. 504, Rehabilitation Act of 1973.

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HOW TO USE THIS SUPPLEMENT

As a guide to courses which will be offered at Middlebury College during the 1985-86 academic year, this supplement must be used in conjunction with the College's 1984-85 Registration Catalog. Some of the courses listed in that Catalog have been modified in one or more ways or have been dropped from next year's offerings while some new courses which do not appear in the Catalog have been added.

This document lists every course in the 1984-85 Catalog, indicating whether the course is being offered again without change, offered again but modified in certain respects, omitted in 1985-86 or dropped completely from the curriculum. It also gives all details for the new courses introduced since the Catalog was published. When using this supplement, please keep the following in mind:

1. If a course is being offered again without change, only its title and the term it will be offered are listed.

2. If a course has been changed in some way, only its title, the term offered, and changes (i.e. new instructor's name, new description, etc.) are listed here; all other information relating to the course is in the Catalog and students may assume that the Catalog information about the course still applies.

3. If a course is being omitted in 1985-86, its title is placed in (brackets).

4. If a course has been dropped entirely from the curriculum, its title is followed by the word, "Deleted."

5. As in the Catalog, Foundations Courses are preceded by an asterisk (*) in department copy.

6. All faculty (excluding those people not yet hired) for the 1985-86 academic year are listed at the beginning of their department copy.

FOUNDATIONS COURSES FOR 1985-86:

FOREIGN LANGUAGES DIVISION

CL 118 POLITICAL INSTITUTIONS AND THEORY OF GREECE AND ROME. Fall.
CL 121 THE CLASSICAL TRADITION OF THE LIBERAL ARTS AND SCIENCES . Spring.
CL 150 THE ANCIENT EPIC. Fall.
(CL 152 GREEK TRAGEDY)
FL 239 STRUCTURING THE CHAOS. Spring.
(FL 266 VERSIONS OF THE FOREIGN)
(FR 115 REALISM: FRENCH FICTION FROM STENDHAL TO PROUST)
LI 201 INTRODUCTION TO LINGUISTICS. Fall.
RU 151 RUSSIAN LITERATURE'S GOLDEN AGE (1830-1880). Fall.
RU 152 REVOLUTIONARY LITERATURE IN A REVOLUTIONARY SOCIETY: RUSSIAN MODERNISM (1880-PRESENT). Spring.
SI 231 CAPTAINS, KINGS AND CAUDILLOS. Spring.
SI 290 DANTE: (IN ENGLISH) Spring.
(SI 294 THE ITALIAN RENAISSANCE (IN ENGLISH))

HUMANITIES DIVISION

AR 101 AN INTRODUCTION TO ART AND ART HISTORY. Fall.
(EL 110 CONTINENTAL FICTION)
(EL 111 EUROPEAN DRAMA: RENAISSANCE TO MODERN)
EL 112 MYTHOLOGIES TIMELESS AND TIMELY, TRADITIONAL AND CONTEMPORARY. Spring.
(EL/AL 113 VISIONS OF NATURE)
MU 101 INTRODUCTION TO MUSICAL STYLES. Fall.
(MU 105 PERSPECTIVES OF MUSIC)
(MU 109 RUDIMENTS OF MUSIC)
PA 150 INTRODUCTION TO PHILOSOPHY. Fall, Spring.
PA 180 INTRODUCTION TO MODERN LOGIC. Fall, Spring.
PA 190 ETHICS AND THE ENVIRONMENT. Spring.
(PA 201 ANCIENT AND MEDIEVAL PHILOSOPHY)
(PA 202 MODERN PHILOSOPHY FROM DESCARTES TO PEIRCE)
RE 105 AN INTRODUCTION TO THE ENGLISH BIBLE. Fall.

RE 110 FOUNDATIONS OF WESTERN RELIGIOUS LIFE AND THOUGHT. Spring.
RE 115 INTRODUCTION TO EASTERN RELIGIOUS THOUGHT. Fall.
RE 120 INTRODUCTION TO THE JEWISH, CHRISTIAN AND ISLAMIC TRADITIONS. Spring.
RE 220 THE SHAPING OF AMERICAN RELIGIOUS LIFE. Spring.
TH 116 THE CREATIVE PROCESS: THEATRE, DANCE, FILM. Fall, Spring.
TH 130 FILM FORM AND FILM SENSE. Fall, Spring.

NATURAL SCIENCES DIVISION

BI 115 SOCIETY AND THE NEW GENETICS. Fall.
BI 125 INTRODUCTION TO BIOLOGY. Fall.
CH 103 FUNDAMENTALS OF CHEMISTRY I. Fall, Spring.
CH 105 (same as CH 103, but without lab)
GL 170 GLOBAL TECTONICS. Fall, Spring.
MA 103 INTRODUCTION TO COMPUTERS. Fall, Spring.
MA 105 FINITE MATHEMATICS: PROBABILITY, MATRICES AND PROGRAMMING. Fall.
MA 106 INTRODUCTION TO STATISTICAL SCIENCE. Spring.
MA 213 COMPUTER SCIENCE I. Fall, Spring.
MA 227 SET THEORY. Spring.
NS 128 CRYPTOLOGY. Spring.
PH 101 THE NATURE OF THINGS: PHYSICAL REALITY AND HUMAN THOUGHT. Spring.
PH 155 AN INTRODUCTION TO THE UNIVERSE. Fall.

SOCIAL SCIENCES DIVISION

GG 100 GEOGRAPHY: A MODERN SYNTHESIS. Fall, Spring.
HI 103 TURNING POINTS IN EARLY MODERN HISTORY. Fall.
HI 104 MODERN REVOLUTIONS. Spring.
LI 206 THINKING LINGUISTICS. Fall.
PS 101 INTRODUCTION TO POLITICAL SCIENCE. Fall.
PS 107 POLITICS AND THE STUDY OF POLITICS. Spring.
SA 105 SOCIAL MAN AND SOCIAL ORDER: ISSUES IN FREEDOM AND CONSTRAINT. Fall, Spring.
SA 191 INTRODUCTION TO WOMEN IN SOCIAL THOUGHT. Fall.

INTERDEPARTMENTAL

ID 100 INTENSIVE FRESHMAN WRITING SEMINAR. Fall. New Description. An intensive writing course intended to improve writing skills. Numerous papers and revisions are required. Class discussions focus on the analysis of varied literary works in order to help students develop analytical skills. Students will be taught how to use the word processor. This course does not fulfill the freshman writing requirement. Mrs. Pack.

FRESHMAN WRITING PROGRAM

Courses in general will remain the same for 1985-86.

DIVISION OF FOREIGN LANGUAGES

FL 175 USING YOUR LANGUAGE. Changed to LI 175, see LINGUISTICS.

*FL 201 INTRODUCTION TO LINGUISTICS. Changed to *LI 201.

*FL 206 THINKING LINGUISTICS. Changed to *LI 206. See LINGUISTICS.

FL 211 SOCIOLINGUISTICS. Changed to LI 211. See LINGUISTICS.

FL 212 PSYCHOLINGUISTICS. Changed to LI 212. See LINGUISTICS.

FL 215 HISTORICAL LINGUISTICS. Changed to LI 215. See LINGUISTICS.

FL 225 SOUND PATTERNS IN LANGUAGE. Changed to LI 225. See LINGUISTICS.

*FL 239 STRUCTURING THE CHAOS. Spring. Ms. Eberhart Montgomery.

*FL 252 THE ART OF CINEMA. Deleted.

(*FL 266 VERSIONS OF THE FOREIGN)

FL 295 GERMANIC LINGUISTICS. Changed to LI 295. See LINGUISTICS.

FL 301 ROMANCE LINGUISTICS. Changed to LI 301. See LINGUISTICS.

FL 340 THE ART AND CRAFT OF TRANSLATION. Spring.

(FL 405 SEMINAR: KAFKA)

Under additional courses offered in English:

Add: *CL 118 POLITICAL INSTITUTIONS AND THEORY OF GREECE AND ROME

Delete: *CL 216 HISTORY OF GREECE
CL 217 HISTORY OF THE ROMAN REPUBLIC
SI 375 ITALIAN CINEMA

Bracket: *CL 152 GREEK TRAGEDY
*SI 294 THE ITALIAN RENAISSANCE

Take out of brackets: RU 352 TOLSTOY. Fall.
RU 353 RUSSIAN THEATER. Spring.
*SI 231 CAPTAINS, KINGS AND CAUDILLOS. Spring.

FL 500 LINGUISTICS INDEPENDENT STUDY. Changed to LI 500. See LINGUISTICS.

DIVISION OF NATURAL SCIENCES

*NS 128 CRYPTOLOGY: THE MATHEMATICS AND TECHNOLOGY OF MAKING AND BREAKING SECRET CODES. Spring. New Course. Cryptology is the study of the hiding of the meaning of messages. Its concerns are: 1) the science of making communications unintelligible to all except the intended recipients and 2) the efforts of unintended recipients to discover the true content of the message. The progress of cryptology has closely paralleled the discovery of new mathematical and technological ideas, from invisible inks to cipher wheels to high speed computers. We will use cryptology as a vehicle to study some of these technologies, but our primary focus will be on introducing the mathematical ideas that underlie classical and modern cipher making and breaking: modular arithmetic, number theory, matrix algebra, probability and statistics, elementary computer programming. Two years of secondary school mathematics are sufficient background for this course. Mr. Olinick.

(NS 150 ENVIRONMENTAL SCIENCE)

AMERICAN LITERATURE AND CIVILIZATION

Professors: Stephen Donadio (chairman), John McWilliams. Assistant Professors: Joanne Jacobson, Karl Lindholm.

AMERICAN LITERATURE

AL 103 TOPICS IN AMERICAN LITERATURE. Fall. Spring.

AL 103A THE AMERICAN SHORT STORY. Fall. Mr. McWilliams.

AL 103B AMERICAN AUTOBIOGRAPHY. Fall. New Title. Ms. Jacobson.

AL 103C AMERICAN VALUES. Fall. New Title. Staff.

AL 103D THE AMERICAN CHARACTER. Fall.

AL 103E AMERICAN SHORT FICTION. Spring. Staff.

(*AL/EL 113 VISIONS OF NATURE)

AL 201 AMERICAN LITERATURE: 1620-1830. Fall. Mr. McWilliams.

AL 202 AMERICAN LITERATURE: 1830-1865. Fall. Staff.

AL 203 AMERICAN LITERATURE: 1865-1940. Spring.

AL 301 THE AMERICAN NOVEL: I. Fall. New Description. The development of the American novel in the 19th century, including work by Brockden Brown, Cooper, Hawthorne, Stowe, Melville, Twain, Howells, James, Norris, Wharton and Crane. (Open to juniors and seniors only.) Mr. Donadio.

AL 302 THE AMERICAN NOVEL: II. Spring. Mr. McWilliams.

(AL 306 AMERICAN POETRY: 1620-1920) Offered in 1986-87.

AL 307 TOPICS IN TWENTIETH CENTURY AMERICAN POETRY. Spring. Delete final two sentences of the description. Staff.

AL/EL 309 CONTEMPORARY LITERATURE. Spring. See English Department copy for description.

AL/EL 312 MODERN POETRY. Spring. See English Department copy for description.

(AL 340 REGIONALISM: LITERATURE OF NEW ENGLAND) Offered in 1986-87.

AL/AC 420 AMERICAN CULTURE: 1941-1961. Spring. New Description. An inquiry into cultural developments in the United States in the period between the bombing of Pearl Harbor and the inauguration of John F. Kennedy. The course will focus on changes in popular culture, the visual arts, political sensibility and literary expression. In addition to regular class meetings, this course requires attendance at weekly screenings of a wide variety of documentary and fiction films relating to the period. We will consider perceptions of the Second World War, the Hiss Case, the Rosenberg Case, the Korean conflict, the McCarthy hearings, Abstract Expressionism, the transformation of popular music and the emergence of the Beat Generation. Independent research and several papers will be required. Readings will include works by Salinger, Bellow, Trilling, Styron, Mailer, Ginsberg, Kerouac, Nabokov, Percy, Heller and Pynchon. (Preference to juniors and seniors.) Limited to 40 students. Mr. Donadio.

AL 450 SEMINAR IN MAJOR AUTHORS. Fall, Spring. Fall: Hemingway and Fitzgerald. Staff. Spring: Robert Frost. Mr. Hill.

(AL 455 BLACK AMERICAN LITERATURE) Offered in 1986-87.

AL 500 SPECIAL RESEARCH. Fall, Spring.

AL 700 SENIOR RESEARCH. Fall, Spring.

AL 704 SENIOR SEMINAR. Fall.

AMERICAN CIVILIZATION

Under program description, in paragraph 4, change the representative in Sociology/Anthropology to Ms. Nelson and the representative in History to Mr. Jacobs.

AC 220 TOPICS IN AMERICAN CIVILIZATION: TOPIC TO BE ANNOUNCED. Spring. New Course. Staff.

AC 330 STUDIES IN AMERICAN CIVILIZATION: AMERICAN CULTURE, 1929-1961. Fall. Ms. Jacobson.

AL/AC 420 AMERICAN CULTURE: 1941-1961. Spring. New Course. See description under American Literature course listings, above. Mr. Donadio.

Under I. Courses required of all students, change (9) to:
One of the following:
(SA 330 PERSPECTIVES OF AMERICAN SOCIETY AND CULTURE)
SA 343 AMERICAN COMMUNITY STUDIES
SA 370 SOCIOLOGY OF INEQUALITY
(SA 390 SOCIOLOGY OF WOMEN)

Under II., change departmental offerings as follows:
AMERICAN CIVILIZATION

AC 220 TOPICS IN AMERICAN CIVILIZATION. Spring.
AC 330 STUDIES IN AMERICAN CIVILIZATION: AMERICAN CULTURE, 1929-1941. Fall.
AL/AC 420 AMERICAN CULTURE, 1941-1961. Spring.

AMERICAN LITERATURE
AL 103 TOPICS IN AMERICAN LITERATURE. Fall, Spring.
AL 203 AMERICAN LITERATURE: 1865-1940. Spring.
AL 301 THE AMERICAN NOVEL: NINETEENTH CENTURY. Fall.
AL 302 THE AMERICAN NOVEL: TWENTIETH CENTURY. Spring.
(AL 306 AMERICAN POETRY: 1620-1920) Offered in 1986-87.
AL 307 TOPICS IN TWENTIETH CENTURY AMERICAN POETRY. Spring.
AL/AC 420 AMERICAN CULTURE, 1941-1961. Spring.
(AL 440 REGIONALISM: LITERATURE OF NEW ENGLAND) Offered in 1986-87.
AL 450 SEMINAR IN MAJOR AUTHORS. Fall, Spring.
(AL 455 BLACK AMERICAN LITERATURE)

ART
AR 207 AMERICAN PAINTING: 1750-1900. Spring.
AR 211 AMERICAN DESIGN. Spring.
AR 308 LATE MODERN ART. Fall.
(AR 314 AMERICA: THE VISUAL ENVIRONMENT)
AR 403 SEMINAR IN MODERN ARCHITECTURE: ARCHITECTURE AFTER THE MASTERS. Fall.
AR 407 SEMINAR IN AMERICAN ART: THE LANDSCAPE OF PLACE. Spring.

ECONOMICS
EC 150 INTRODUCTORY ECONOMICS (MACRO). Fall, Spring.
EC 155 INTRODUCTORY ECONOMICS (MICRO). Fall, Spring.
EC 300 CURRENT PROBLEMS IN ECONOMIC POLICY. Spring.
EC 310 ECONOMICS OF INVESTING IN SECURITIES. Fall.
EC 365 ENVIRONMENTAL ECONOMICS. Fall.
EC 385 LABOR ECONOMICS. Spring.
(EC 465 PUBLIC POLICY TOWARD BUSINESS)
EC 475 MONETARY THEORY AND FINANCIAL INSTITUTIONS. Spring.

HISTORY
(HI 361 COLONIAL AMERICA)
(HI 362 THE ERA OF THE AMERICAN REVOLUTION)
(HI 363 JEFFERSONIAN AND JACKSONIAN AMERICA: 1800-1848)
HI 364 CIVIL WAR AND RECONSTRUCTION. Fall.
HI 367 TWENTIETH CENTURY AMERICA: 1920-1948. Fall.
HI 368 TWENTIETH CENTURY AMERICA: 1948-PRESENT. Spring.
(HI 371 BLACK HISTORY)
(HI 376 AMERICAN LABOR HISTORY)
HI 405 READINGS IN AMERICAN HISTORY. Fall, Spring.
(HI 415 TOPICS IN AMERICAN HISTORY)

MUSIC
MU 230 AMERICAN POPULAR SONG. Fall.
MU 326 MUSIC IN AMERICA. Spring.

POLITICAL SCIENCE
PS 208 CONGRESS. Spring.
(PS 305 AMERICAN CONSTITUTIONAL LAW: THE FEDERAL SYSTEM)
PS 306 AMERICAN CONSTITUTIONAL LAW: THE BILL OF RIGHTS. Fall.
(PS 312 POLITICS OF THE FEDERAL BUREAUCRACY)
PS 314 POLITICS OF AMERICAN FEDERALISM. Spring.
(PS 402 SEMINAR: LIBERALISM AND CONSTITUTIONALISM)
(PS 410 SEMINAR: POLITICAL PARTIES AND ELECTIONS)
PS 425 SEMINAR: THE AMERICAN PRESIDENCY. Fall.

RELIGION
(RE 302 MODERN VIEWS OF GOD AND RELIGIOUS·LIFE: THE TWENTIETH CENTURY)
RE 306 THE PURITAN TRADITION IN AMERICA. Fall.
RE 308 SEMINAR IN AMERICAN RELIGIOUS HISTORY. Spring.

SOCIOLOGY/ANTHROPOLOGY
SA 191 INTRODUCTION TO WOMEN IN SOCIAL THOUGHT. Fall.
SA 315 SOCIOLOGY OF EDUCATION. Spring.
(SA 316 SOCIOLOGY OF YOUTH)
(SA 330 PERSPECTIVES OF AMERICAN SOCIETY AND CULTURE)

SA 343 AMERICAN COMMUNITY STUDIES. Fall.
(SA 344 URBAN SOCIOLOGY)
SA 345 WORK, LEISURE AND SPORT. Spring.
SA 370 SOCIOLOGY OF INEQUALITY. Fall.
SA 385 MEDICAL SOCIOLOGY. Spring.
SA 387 SOCIOLOGY OF LAW. Spring.
SA 388 DEVIANCE. Fall.
(SA 390 SOCIOLOGY OF WOMEN)

THEATRE, DANCE AND FILM
(TH 216 AMERICAN DRAMA)
TH 234 AMERICAN FILM GENRES. Fall.

III. ADVANCED STUDIES.
AC 400 SEMINAR IN AMERICAN CIVILIZATION (JUNIOR YEAR). Fall. Ms. Jacobson, Staff.

AC 401 RESEARCH SEMINAR (JUNIOR YEAR). Spring. Staff.

AC 500 INDEPENDENT STUDY. Fall, Spring.

AC 700 SENIOR THESIS. Fall, Winter.

AC 704 SEMINAR IN AMERICAN CIVILIZATION (SENIOR YEAR). Spring. Staff.

ART

Professors: Glenn Andres, David Bumbeck, John Hunisak (on leave), Assistant Professors: James Butler, David Napier, Eric Nelson, Kirsten Powell, Christopher Wilson. Visiting Assistant Professor: Sidney Kasfir (fall term).

An art major may be completed in any of three ways:

Art History Emphasis: Copy remains the same, but add the recommendation that graduate schools of art history require students to pass reading examinations in both French and German.

Studio Emphasis: Copy remains the same.

Architecture Emphasis: New Copy. Four additional courses in the history of art and two additional studio courses, and two terms of AR 730 (senior work), normally fall and winter, in order to design an architectural project. Recommendation: graduate schools of architecture expect candidates to have taken two semesters each of math and physics.

*AR 101 AN INTRODUCTION TO ART AND ART HISTORY. Fall. Mr. Andres and Staff.

AR 102 MODERN ART. Spring.

(AR 103 INTRODUCTION TO FAR EASTERN ART)

AR 104 INTRODUCTION TO ISLAMIC ART AND ARCHITECTURE. Deleted.

AR 115 INTRODUCTION TO PRIMITIVE ART: AFRICA, OCEANIA AND THE AMERICAS. Fall. New Description. The course introduces students to ethno-aesthetics and the traditional arts of smaller-scale nonliterate societies. Despite their dissimilarities in style, media and technique, the visual arts of Africa, Oceania and parts of the Americas share important concerns with mythology and ritual. From these developed the importance of masks and masking which will be a major focus. We will also deal comparatively with sculpture to commemorate the gods and ancestors, with architecture, textiles, pottery and the arts of the body. Finally the role of the artist will be compared with that in Western society. Ms. Kasfir.

AR 201 ART OF THE ITALIAN RENAISSANCE. Fall. New Description. A selective survey of Italian Renaissance art and architecture, with an emphasis upon leading masters seen in their artistic, intellectual and religious context. Staff.

(AR 204 THE ART OF CHINA)

AR 205 FIGURE DRAWING. Fall.

AR 206 FIGURE DRAWING. Spring.

AR 207 AMERICAN PAINTING: 1750-1900. Spring.

AR 209 STUDIO ART I. Fall.

AR 210 STUDIO ART II. Spring.

AR 211 AMERICAN DESIGN. Spring. New Description. A history of architecture and the minor arts in America from its colonization through the mid-20th century. Mr. Andres.

AR 216 ART OF THE MIDDLE AGES: MEDIEVAL ART AND ARCHITECTURE. Fall. Mr. Wilson.

AR 217 EIGHTEENTH CENTURY EUROPEAN ART AND ARCHITECTURE. Term to be announced. New Course. This course will examine the major artists, movements and theoretical issues of the art and architecture of the 18th century, from the Rococo style to Neoclassicism. Attention will be given to aesthetic issues in England, France and Germany, with emphasis to be placed upon the role of artists in a rapidly changing society. Ms. Powell.

(AR 301 MODERN ARCHITECTURE)

(AR 302 BAROQUE ART: PAINTING, SCULPTURE AND ARCHITECTURE OF SEVENTEENTH CENTURY ROME)

(AR 303 NORTHERN EUROPEAN ART: 1300-1600)

AR 305 PAINTING AND SCULPTURE OF NINETEENTH CENTURY EUROPE. Spring. Ms. Powell.

(AR 307 THE ART OF THE CITY)

AR 308 LATE MODERN ART. Fall.

AR 309 PAINTING. Fall.

AR 310 PAINTING. Spring.

AR 311 ANCIENT ART. Spring. New Description. Architecture, painting, and sculpture in Egypt, the Ancient Near East and Greece to the rise of the Roman Empire will be examined as products of their cultures and for the development of attitudes and processes basic to our Western artistic tradition. Mr. Andres.

(AR 312 ROMAN ART)

(AR 314 AMERICA: THE VISUAL ENVIRONMENT)

AR 315 PRINTMAKING. Fall.

AR 316 PRINTMAKING. Spring.

(AR 317 FILM AND MODERNISM IN THE ARTS)

AR 319 SCULPTURE. Fall.

AR 320 SCULPTURE. Spring.

AR 321 INDIAN AND INDONESIAN ART. Spring. New Course. This course traces the history of Indian and Indonesian art from the Indus Valley Period to the present day. Special attention will be given to the artistic, social and religious influences of Indian tradition on the Hindu and Buddhist art of Southeast Asia. Mr. Napier.

AR 400 THE ART WORK AND THE WORD. Spring. Mr. Wilson.

AR 401 SEMINAR IN MODERN ART: IMPRESSIONISM. Fall. New Description. This seminar will focus on the roots and development of Impressionism in France in the 1870's and 1880's. We will concentrate on such issues as approaches to nature and portraiture, the urban and suburban milieu, serial imagery, the myth of the innocent eye and the criticism of Impressionism. Artists to be considered will include Monet, Renoir, Pissaro, Sisley, Daubigny, Manet, Cezanne and Degas. Limited to 12 students. Those interested should consult with the instructor before registration. (AR 102 or AR 305.) Ms. Powell.

AR 403 SEMINAR IN MODERN ARCHITECTURE: ARCHITECTURE AFTER THE MASTERS. Fall. New Prerequisites. (AR 301 or AR 307. Those interested should consult with the instructor before registration.)

(AR 405 SEMINAR IN BAROQUE ART)

(AR 406 SEMINAR IN RENAISSANCE ART)

AR 407 SEMINAR IN AMERICAN ART. THE LANDSCAPE OF PLACE. Fall. New Description. This seminar will explore American landscape painting from 1825 to 1865. We will focus our attention upon paintings which depict specific landscape sites including the Kaaterskill Clove in the Catskills; Schroon Mountain in the Adirondacks; the Oxbow in the Connecticut River Valley; Crawfords' Notch in the White Mountains; Mt. Ktaadn in Northern Maine; and a number of important sites along the Hudson River. Limited to 12 students. Those interested should consult with the instructor before registration. Mr. Wilson.

AR 408 SEMINAR IN PRIMITIVE ART: THE ART OF OCEANIA. Spring. New Course. Focusing on the four traditional areas of Oceania--Indonesia, Melanesia, Micronesia and Polynesia--the course considers the art forms indigenous to these regions and examines the symbolic, social and religious meaning of specific art objects. Related topics to be considered include the Age of Discovery, the depiction of Oceania in Western art, and the transformation of Oceanic art through the history of contact. Limited to 12 students. Those interested should consult with the instructor before registration. Mr. Napier.

AR 510 ADVANCED STUDIES IN ART HISTORY.

AR 520 ADVANCED STUDIES IN STUDIO.

AR 710 SENIOR INDEPENDENT STUDY IN ART HISTORY.

AR 720 SENIOR INDEPENDENT STUDY IN STUDIO.

AR 730 SENIOR INDEPENDENT STUDY IN ARCHITECTURAL DESIGN. New Course. Preparation and presentation of a two-term design thesis. Staff.

BIOLOGY

Professors: George Saul, Christopher Watters. Associate Professor: C. Randall Landgren (chairman). Assistant Professors: John DesRosier, Tom Root. Sallie Sheldon, Stephen Trombulak. Lecturer: Steven Young, Adjunct Professor. Assistant: H. Peter Wimmer.

New Major Program Description:

The breadth of faculty interests in the Department of Biology is unique among comparable institutions. Our curriculum is built around three major areas of biology: cellular and molecular biology, organismic biology, and field and population biology. The major requires an introduction to each area, while in the upper level classes we offer a balance of courses in each area. Students majoring in Biology plan their programs in close consultation with department advisors. This provides students the maximum flexibility in preparing for graduate studies, medical school, teaching or other careers.

The department is well-equipped to offer laboratory and field courses across the curriculum. Our courses introduce students to modern theory and techniques. We take pride in our innovative approaches in the

laboratory and in the availability of the faculty to students. In the laboratory and the field, students work in small groups directly with the faculty. Students frequently do independent research with the faculty, sometimes producing professional publications. Departmental Honors are given to students who meet the general college requirements and who complete an outstanding independent project of at least two-terms' duration (see below).

The location of the College, with thousands of acres nearby owned by the College or within the Green Mountain National Forest, provides excellent opportunities for field studies. The College access to the High Pond Nature Reserve, encompassing a complete, undisturbed watershed, provides many unique opportunities for research. The department also participates actively in interdisciplinary majors in environmental studies and northern studies.

A number of courses in the department (marked with a +) are available with or without the laboratory to concentrators and students seeking elective or foundations credit. Majors and joint majors must take these courses with the laboratory.

The major includes, BI 125, BI 190 (not required of students entering the college prior to the Fall of 1985), BI 250, 7 elective courses within the department, and 4 cognate courses from chemistry (excluding CH 110), Physics (excluding PH 101, 145, and 155), mathematics, or PY 301. At least 5 electives must be chosen from the BI 201 to BI 490 (BI 190 to 490 for students entering before the fall of 1985) sequence; the remaining 2 may include independent study (BI 500 or BI 600), BI 555 credit and one unit from the winter term offerings designated for major credit.

Joint majors with chemistry and with psychology are available for students wishing to study aspects in two fields without taking all the prescribed courses of a major in either. Joint major programs with other departments can be arranged to suit the needs of a student.

For good and sufficient reason a student may take courses at another institution toward fulfillment of the major requirements. A maximum of three biology courses taken off-campus may be credited toward the completion of the major (two toward the completion of a joint major). When a course is offered at Middlebury with a lab or prerequisites, an equivalent off-campus course must also include a lab or prerequisites. Each transfer course must be approved by the department chairman prior to the enrollment of the student in the course.

Students planning careers that require graduate or professional training (including medical schools, veterinary schools, and dental schools) should be familiar with the subject matter in CH 103, CH 104, CH 241, MA 112, and PH 109. Some graduate schools and most medical school programs require additional courses in chemistry, math and physics (See Pre-Medical Program).

The department admits a limited number of graduate students as candidates for the degree of Master of Science in Biology. Degree requirements include at least one year in residence at the College, nine courses (at least six from the department, three of which must be research credits), a minimum grade of B- in each course, participation in laboratory instruction and preparation, attendance at departmental seminars, and a thesis with public presentation and defense before a committee. All work toward the degree must be completed within five years. Please send for a detailed description of the program.

Required for the major: BI 125, 190, 250, 7 electives in biology (5 from BI 201 to 499), and 4 cognates. Required for joint biology/chemistry major - see description under Department of Chemistry. Required for joint biology/psychology major - see description under Department of Psychology.

Honors program: Students with an average of 6 or better in department courses other than BI 500 and BI 600 may apply for departmental honors before beginning independent study (BI 500). Honors will be given for an independent project of superior quality (at least a B+) of at least two terms' duration. The honors project must result in the preparation o f a

thesis, a public presentation of the research, and an oral defense of the thesis before a committee of at least three faculty members.

Proficiency Examination: AP credit (equivalent to having passed BI 125, but not satisfying the foundations requirement) is granted for a 5 on the College Board Advanced Placement Examination in Biology. It is also possible to be exempted from BI 125 (without college credit) by the departmental proficiency examination. This examination is offered during the freshman weeks in September and February. Exemption by the departmental examination does not reduce the total number of required courses for the major, joint major, or concentrator.

Premedical, Predental, Preveterinary Requirements: See page 100 of the 1984-85 Catalog.

*BI 100 EVOLUTION BY NATURAL SELECTION: HISTORICAL DEVELOPMENT AND CURRENT STATUS OF AN IDEAL. Deleted.

BI 111 WRITING ON NATURE. Spring. New Course. This course will search for a common thread in Pliny, Mendel, Darwin, Craven, Dillard, Hoagland, Muir, McPhee, and Curtis. The application of a structured, expository approach to writing about nature will be examined. Readings will be drawn from a variety of sources ranging from novels to textbook prose. Assignments will stress organization, imagery, and communication. The class meetings will place an emphasis on analysis and revision. 3 hrs. disc. (Not for major credit.) Mr. Landgren.

*BI 115 SOCIETY AND THE NEW GENETICS. Fall. New Course. Examination of the history, applications, and regulation of recombinant DNA. After an introduction to DNA as the chemical blueprint of life and the manipulation of the blueprint to produce recombinant DNA, past and future applications of recombinant DNA technology will be examined with special emphasis placed on the risks and benefits. The efforts to prevent and limit recombinant DNA research will be extensively examined from philosophical, religious, and scientific viewpoints. The broader topics of the social management of technology, public support of scientific research, and ethics in scientific research will also be discussed. 3 hrs. lect./disc. (Not for major credit.) Mr. DesRosier.

+*BI 125 INTRODUCTION TO BIOLOGY. Fall.

BI 190 GENERAL ECOLOGY. Spring. Staff. Ms. Sheldon.

+BI 201 INVERTEBRATE BIOLOGY. Spring. New Description. A survey of the major invertebrate phyla of the animal kingdom. Invertebrates comprise more than 90 percent of all animal species, and they represent extremely diverse approaches to the problems of living. After a brief overview, each phylum will be studied with respect to morphological and taxonomic characteristics, physiology, life cycles and evolutionary relationships. Laboratories will consist of both observational and experimental approaches with two field trips for collecting and identifying specimens. (BI 125 or permission.) Mr. Root.

+BI 202 VERTEBRATE BIOLOGY. Fall. New Course. A survey of the major vertebrate organisms of the animal kingdom. Morphology, taxonomy, physiology, life cycles, and evolutionary relationships will be studied. Laboratory will include anatomical observational and experimental investigations as well as field trips. (BI 125 or permission.) Mr. Trombulak.

+BI 203 BOTANY. Spring.

+BI 205 DEVELOPMENTAL BIOLOGY. Spring.

+BI 216 ANIMAL BEHAVIOR. (Formerly BI 316.) Fall. New Description. The study of animal behavior not only encompasses the description of what animals do, but also addresses mechanistic and evolutionary questions. As we will see by examining the behavior of many different animals in lectures, discussions, field work, and experimentation, there are many aspects of behavior which are essential for the survival of an individual or a species. Behavior has evolved as animals have evolved, from simple reactions, tropisms, and reflexes to more complex kinds of discrimination, learning, and intelligence. In addition, since the study of animal

behavior is in essence the study of human behavior, we will also examine the more controversial issues raised by sociobiology. 3 hrs. lect., 3 hrs. lab. Mr. Root.

BI 220 COMPARATIVE CHORDATE MORPHOLOGY. Deleted.

BI 225 HUMAN GENETICS. Fall. New Description. Methods of analyzing family histories; patterns of inheritance in pedigrees; cellular and physiological bases of gene activity; use of twins in genetic analysis; effects of changes in chromosomal structure and number; analysis of genetic structure of populations. Discussion sessions will address lectures and reading, assigned problems and some modeling. (BI 125.) 3 hrs. lect., 1 hr. lab/disc. Mr. Saul.

+BI 230 MICROBIOLOGY. Fall.

+BI 250 ORGANELLES AND CELLS: AN INTRODUCTION TO CONCEPTS AND METHODOLOGY. Spring.

BI 267 THE BIOLOGY OF INSECTS AND RELATED ARTHROPODS. Deleted.

BI 270 THE BIOLOGY OF BIRDS. Deleted.

BI 303 PLANT PHYSIOLOGY. Winter. New Course. Offered in alternate winter terms. A study of the life processes of higher plants. The emphasis is on the unifying principles of plant biology, including water relations, translocation, mineral nutrition, photosynthetic pathways, secondary metabolism, and the influences of external and internal factors on plant growth and development. Laboratory will include work on water relations, light responses, growth, and hormonal regulation. A formal report including an interpretation of data will be required in two of these areas. This course will be offered in alternate winters to BI 375. (BI 203 and BI 250.) Mr. Landgren.

BI 302 VERTEBRATE FIELD BIOLOGY. Spring. New Course. A detailed examination of the biology of vertebrates in the field. The lectures will include surveys of morphological diversity, systematics, evolution and zoogeography. Field work will include an introduction to such techniques as identification, tracking, capture and handling. Work with museum specimens also may be included. (BI 202.) 3 hrs. lect., 3 hrs. lab. Mr. Trombulak.

BI 311 ECOSYSTEMS ANALYSIS. Fall. Ms. Sheldon.

BI 314 MOLECULAR GENETICS. Spring. New Description. Topics for lecture and reading include the structure and function of genetic material of prokaryotes, viruses, and eukaryotes; regulation of gene activity; and molecular models of recombination. Attention will be given to topics of current interest, such as oncogenic viruses, cloning, and fine-structure analysis of genes. 3 hrs. lect./disc. (BI 250.) Mr. Saul.

BI 316 ANIMAL BEHAVIOR. See BI 216, above.

BI 320 COMPARATIVE ANIMAL PHYSIOLOGY. Deleted.

BI 325 MEDICAL MICROBIOLOGY. This course number has been changed to BI 330. See below.

BI 325 APPLIED GENETICS. Spring. New Course. Experiments designed to introduce some organisms and techniques used in the study of both prokaryotic and eukaryotic genetics. Experiments will include crosses with animals and fungi. The principles of gene cloning will be studied in detail and a series of experiments directed at cloning genes in Escherichia coli will be performed. Techniques which will be studied include isolation of chromosomal and plasmid DNA, ultraviolet spectroscopy, DNA fragmentation by restriction endonucleases, ligation of restricted DNA, agaroes gel electrophoresis, transformation of E. coli, and genetic screening of recombinant bacterial strains. Training in analyzing data and reporting experimental work will be provided. (Not open to students who have taken BI 225 and BI 314 prior to the spring of 1985 or to students who took BI 314 in the spring of 1985.) (BI 225 or BI 314,

which may be taken as a corequisite.) 1 hr. lect. and 3 hrs. lab. Mr. DesRosier, Mr. Saul.

BI 330 MEDICAL MICROBIOLOGY. (Formerly BI 325.) Spring. New Description. The principles of human infectious disease are presented from the perspective of the host-parasite relationship. Bacterial, viral, and fungal diseases will be covered with emphasis placed on the biology of the pathogen and the course and mechanism of pathogenesis. Host defense mechanisms will be examined with special emphasis on the principles of immunology and immunological defense. Also covered are autoimmunity, antigen-antibody reactions in vitro, hypersensitivity, transplant and tumor immunology, and immunodeficiency. Principles of epidemiology, disease prevention, and antibiotic chemotherapy will be covered. Will alternate with BI 335. 3 hrs. lect. Mr. DesRosier.

(BI 335 APPLIED MICROBIOLOGY)

BI 340 MEMBRANE BIOLOGY. Fall. New Course. A critical examination of the roles of cellular membranes in metabolism, recognition and signaling, synthesis and degradation, and transport. These phenomena will be approached through the study of such current research problems as the infection and replication of animal viruses, the maintenance of non-equilibrium concentrations of inorganic ions, and the synthesis of ATP during oxidative and photosynthetic phosphorylation. Students will prepare brief oral presentations of primary literature and write one critical review of a journal article. Not open to students who have taken BI 350. (BI 250 and CH 241.) 3 hrs. lect. and disc. Mr. Watters.

BI 350 ADVANCED TOPICS IN CELL BIOLOGY. Deleted.

BI 360 APPLIED CELL BIOLOGY. Fall. New Course. The application of advanced laboratory techniques to the study of animal cells and their organelles. The course will focus on the isolation and characterization of cellular fractions, including studies of endocytosis, assays of "marker" enzymes, and in vitro protein synthesis. Discussions and papers will emphasize the design of experiments and critical interpretation of data. Among other techniques, students will be introduced to transmission electron microscopy, the safe usage of radioisotopes, liquid scintillation spectrometry, and gel electrophoresis among other techniques. (BI 250 and CH 241, or CH 421, or permission.) 4 hrs. disc. and lab. Mr. Watters.

BI 370 ANIMAL PHYSIOLOGY. Spring. New Course. An examination of animal function from an environmental and comparative perspective. An animal's body consists of several organ systems, each of which is governed by natural laws, but which must respond to a phenomenal range of environmental influences, and which must also act in concert with every other organ system in the body. By using examples from throughout the animal kingdom, we will develop an appreciation for how the human body functions normally, and during such stresses as exercise and disease. Special attention will be paid to human and animal adaptations to extreme environments such as the desert, high altitudes, deep sea, and polar regions. (BI 250, not open to people who have had BI 320.) 3 hrs. lect./disc. Mr. Root.

(BI 375 RADIATION BIOLOGY) Offered in alternate winter terms.

BI 380 TECHNIQUES IN ANIMAL PHYSIOLOGY. Spring. New Course. Using a wide variety of methodologies and instruments, this course develops a coherent approach to doing modern science. The theory and operation of respirometers, osmometers, physiological amplifiers, EKG, and EEG, and other instruments will be presented. Students will also design and execute a short-term and a long-term experiment. Independent findings will be presented in formal written reports and in oral presentations to the class. Respiration, heart function, circulation, excretion, digestion, sensory, muscle, and brain function will be measured. In addition to standard laboratory and clinical procedures, special emphasis will be placed on learning the skills of small animal surgery, computerized data acquisition, experimental design, data analysis, computer modeling, and scientific writing and speaking. (BI 250.) 1 hr. disc., 3 hrs. lab. Mr. Root.

BI 401 ADVANCED GENETICS. See BI 425, below.

BI 402 VERTEBRATE REPRODUCTION. The evolution of reproductive patterns in vertebrates will be discussed from physiological, behavioral and ecological perspectives. Emphasis will be on using the diversity of reproductive patterns exhibited by vertebrates to understand how environment and phylogeny influence reproductive strategies. Several topics will be considered, including rates and methods of development, extent of parental care, allocation of reproductive effort, and the evolution of life-history traits. We will also discuss current hypotheses on the evolution of human reproductive strategies. Students will be required to make occasional oral presentations to the class and write one critical paper. (BI 202, BI 320 or permission.) 3 hrs. lect. and disc. Mr. Trombulak.

BI 403 PHOTOSYNTHESIS. Fall. New Course. This seminar will deal with current and historical primary sources dealing with all aspects of photosynthesis. Topics to be covered will include field measurement of photosynthesis, ecological adaptations in the photosynthetic metabolism, the evolution and characteristics of plastids and the molecular biology of photosynthesis. Student evaluations and reviews will form the foundation of the discussions. (BI 190 and BI 250.) 3 hrs. disc. Mr. Landgren.

BI 410 EVOLUTION AND ADAPTATION. Deleted.

BI 411 ECOLOGY SEMINAR. Spring. New Course. Selected topics in ecology. (BI 190.) 3 hrs. disc. Staff.

BI 425 ADVANCED GENETICS. Formerly BI 401. Fall. New Description. An examination of selected topics of current interest, including readings from journals and symposia. Past topics have included the molecular genetics of early development, extranuclear inheritance, immunogenetics and regulation of gene activity. At least one critical paper will be required. (BI 314 or BI 225.) Mr. Saul.

BI 470 HUMAN PHYSIOLOGY: NEURAL AND NEUROMUSCULAR DISORDERS. Fall. New Course. More and more frequently we hear reports of the devastating effects of physiological disorders such as Parkinson's disease and multiple sclerosis, or of the latest breakthrough in combating such disorders. More often than not, however, these reports are misleading, because of ignorance about either the mechanism or the disorder or the scientific approach of their study and treatment. In this course students will learn to critically judge scientific progress in understanding and combating disease by focusing on the literature of several specific neural and neuromuscular disorders. Readings and student presentations will emphasize the latest clinical and laboratory studies in order to learn both the theoretical basis of these malfunctions and the human implications. (BI 250.) 3 hrs. disc. Mr. Root.

BI 500 ADVANCED STUDY. Fall, Winter, Spring.

BI 750 SENIOR WORK (ENVIRONMENTAL STUDIES). Fall, Winter, Spring.

BI 900 MASTERS RESEARCH AND THESIS. Fall, Winter, Spring.

+Available with or without lab to non-majors.

CHEMISTRY

Professors: Robert Gleason (chairman), E.L. Pool. Assistant Professors: Susan Kegley, Maggie O'Brien, David Reingold, Steven Sontum.

*CH 103 FUNDAMENTALS OF CHEMISTRY I. Fall, Spring.

*CH 105 Same as CH 103, but without the laboratory.

CH 104 FUNDAMENTALS OF CHEMISTRY II. Fall, Spring.

CH 106 Same as CH 104, but without the laboratory.

(NS 150 ENVIRONMENTAL SCIENCE (See Division of Natural Sciences))

CH 241, CH 242 ORGANIC CHEMISTRY I AND II. Fall, Spring.

CH 247, CH 248 Same as CH 241, CH 242, but without the laboratory.

CH 341 ORGANIC CHEMISTRY III. Fall. New Description. An in-depth laboratory experience beginning with the identification of organic compounds, both pure and as mixtures, with heavy reliance on modern instrumentation such as infrared, nuclear magnetic resonance and mass spectroscopy. Lectures will discuss spectroscopy and introduce techniques and instrumentation not covered in CH 241-42. The course will culminate in a research project which will bring together everything the student has learned about operating in an organic laboratory. (CH 242.) 6 hrs. lab, 1 hr. disc. Breakage fee. Mr. Reingold.

CH 351 PHYSICAL CHEMISTRY I. Fall.

CH 352 PHYSICAL CHEMISTRY II. Spring.

CH 357 Same as CH 351, but without the laboratory.

CH 358 Same as CH 352, but without the laboratory.

CH 412 ADVANCED ANALYTICAL CHEMISTRY. Fall.

CH 421 BIOCHEMISTRY. Fall.

CH 422 BIOCHEMISTRY. Spring.

CH 427, CH 248 Same as CH 421, CH 422, but without the laboratory.

CH 431 ADVANCED INORGANIC CHEMISTRY. Spring.

CH 442 ADVANCED ORGANIC CHEMISTRY. Spring.

CH 452 PHYSICAL CHEMISTRY III. Spring. Mr. Sontum.

CH 500 INDEPENDENT STUDY PROJECT. Fall, Spring.

CH 700 SENIOR WORK. Fall, Winter, Spring.

CH 750 SENIOR THESIS (ENVIRONMENTAL STUDIES). Fall, Winter, Spring.

CHINESE

Associate Professor: John Berninghausen (chairman). Lecturer: Gregory Chiang. Assistant Professor: Jing Wang.

Under major program copy:

Delete the final sentence under Honors.

Requirements for a Joint Major in Chinese have changed somewhat, and students interested in this option should be in touch with the Chinese department before registration.

CS 101 BEGINNING CHINESE. Fall. In this course students will be taught both the traditional characters and the simplified characters in use on the Chinese mainland. Also, they will gain active command of more than 600 Chinese characters.

CS 102/WT BEGINNING CHINESE. Winter.

CS 102 BEGINNING CHINESE. Spring.

CS 120 MODERN CHINESE AND ASIAN FICTION IN TRANSLATION. Changed to CS 220, see below.

CS 201 INTERMEDIATE CHINESE. Fall. By the completion of this course and CS 202, students should be able to read and write approximately 1400 characters.

CS 202 INTERMEDIATE CHINESE. Spring.

CS 216 TRADITIONAL CHINESE FICTION IN TRANSLATION. Fall.

CS 220 MODERN CHINESE AND ASIAN FICTION IN TRANSLATION. (FORMERLY CS 120). Fall. New Description. In addition to works mentioned, students will study works by Lao She and Hwang Chun-ming. Ba lin's novel, Family, will not be studied. Mr. Berninghausen.

CS 225 CLASSICAL CHINESE POETRY IN TRANSLATION. Spring.

CS 260 INTRODUCTION TO LITERARY THEORY AND CRITICISM. Spring. New Description. Starting with an examination of several important concepts of literary theory, this course seeks to better acquaint the student with a variety of different approaches and critical terminology that may be applied to the analysis of literary texts. Although poetry and poetics will be touched upon, this course will center upon the discussion of several critical methods used in analyzing literary prose narratives as well as application of those methods by students in the analysis of selected works of fiction. Discussion format with limited enrollment. (This course is also listed as LS 260.) Mr. Berninghausen.

CS 301 ADVANCED CHINESE (MODERN CHINESE). Fall.

CS 302 ADVANCED CHINESE (MODERN CHINESE). Spring.

CS 400 ADVANCED READINGS AND CONVERSATION (MODERN CHINESE). Fall. New Description. This course is designed to further improve advanced language competency of highly pragmatic Chinese. Readings and discussion of a wide variety of contemporary materials chosen with special attention given to the needs of students about to live and study in a Chinese-speaking country. (CS 302.) Mr. Berninghausen.

CS 401 CLASSICAL CHINESE: INTRODUCTION TO WENYAN (IN CHINESE). Fall.

CS 402 CLASSICAL CHINESE: INTRODUCTION TO WENYAN (IN CHINESE). Spring.

CS 425 SEMINAR IN CONTEMPORARY CULTURE AND LANGUAGE (IN CHINESE). Fall.

CS 475 SENIOR SEMINAR ON CHINESE FICTION (IN CHINESE). Spring. Ms. Wang.

CS 700 SENIOR THESIS. Fall.

CS 700/WT SENIOR THESIS. Winter.

CLASSICAL STUDIES PROGRAM

Under Required for the major in Classical Studies, section B:

Add: *CL 118 POLITICAL INSTITUTIONS AND THEORY OF GREECE AND ROME

Delete: *CL 216 HISTORY OF GREECE
CL 217 HISTORY OF THE ROMAN REPUBLIC

Bracket: (*CL 152 GREEK TRAGEDY)

Under Required for the major in Classical Studies, Section C:

Bracket: (CL 103 BEGINNING GREEK)
(CL 204 INTERMEDIATE GREEK)
(CL 301 LATIN PROSE)
(CL 302 LATIN POETRY)

Remove from Brackets: CL 101 BEGINNING LATIN
CL 202 INTERMEDIATE LATIN

Under Required for the major in Classical Studies, Section D:

Remove from Brackets: CL 420 SEMINAR IN CLASSICAL LITERATURE

CLASSICS

Professor: William Harris. Associate Professors: Eve Adler (chair), Ursula Heibges. Instructors: Diane Legomsky, Robert Schine.

Under Major Program description, add Hebrew to the languages offered.

COURSES IN ENGLISH
CL 112 INTRODUCTION TO ANCIENT SOCIETY: THE GREEKS. Fall.

CL 113 INTRODUCTION TO ANCIENT SOCIETY: THE ROMANS. Spring.

*CL 118 POLITICAL INSTITUTIONS AND THEORY OF GREECE AND ROME. Fall. New Course. A comparative study of the political institutions and writings of Greek and Roman civilization. Depending primarily on ancient authors, we will study the Greek polis and the Athenian Empire as well as the Roman Republic and Empire, addressing such questions as: What should the ultimate goal of a government be? Is freedom the highest good for a citizen? Is it possible to manage an empire effectively and at the same time maintain domestic stability? Why did the Athenian and Roman Empires "fall"? Ms. Legomsky.

*CL 121 THE CLASSICAL TRADITION OF THE LIBERAL ARTS AND SCIENCES. Spring. From writers to be studied, delete Aristophanes and Vico.

*CL 150 THE ANCIENT EPIC. Fall.

(*CL 152 GREEK TRAGEDY)

(CL 155 GREEK AND ROMAN COMEDY)

*CL 216 HISTORY OF GREECE. Deleted.

CL 217 HISTORY OF THE ROMAN REPUBLIC. Deleted.

(CL 220 INTRODUCTION TO GREEK SCIENCE)

(CL 317 PLATO)

(CL 450 HISTORY OF GREEK LITERATURE IN TRANSLATION)

GREEK
(CL 103 BEGINNING GREEK)

(CL 204 INTERMEDIATE GREEK)

CL 206 INTERMEDIATE BIBLICAL HEBREW. See below, under HEBREW.

CL 303 GREEK POETRY: HOMER. Fall.

CL 304 GREEK PROSE. Spring.

CL 403 ADVANCED GREEK POETRY. Fall.

CL 404 ADVANCED GREEK PROSE. Spring.

(CL 452 HISTORY OF GREEK LITERATURE)

LATIN
CL 101 BEGINNING LATIN. Fall. New Description. An intensive introductory course. Emphasis on secure mastery of grammar and syntax, building vocabulary, practice in sight-reading, and familiarity with the history of Latin literature in outline. 5 hrs. per week. Ms. Adler.

CL 202 INTERMEDIATE LATIN. Spring. New Description. A continuation of CL 101, based on intensive reading from authentic texts. Emphasis on reading comprehension, consolidation of grammar and vocabulary, mastery of several poetic meters, elementary matters of genre and style, critical use of translations. Readings selected from Cicero, Catullus, lyric poetry, Vergil and Ovid. (CL 101 or placement examination.) 3 hrs. per week. Ms. Legomsky.

(CL 301 LATIN PROSE)

(CL 302 LATIN POETRY)

CL 401 READINGS IN LATIN LITERATURE I. Fall. Staff.

CL 402 READINGS IN LATIN LITERATURE II. Spring.

HEBREW

CL 105 INTRODUCTION TO BIBLICAL HEBREW. Fall. New Course. A beginning course in the rudiments of the Hebrew language. The aim of this course is to prepare students for close study of the Hebrew Bible in the original; it will also provide a basic foundation for literary and spoken Hebrew. 5 hrs. per week. Mr. Schine.

CL 206 INTERMEDIATE BIBLICAL HEBREW. Spring. New Description. A continuing course stressing mastery of the Hebrew grammar and selected readings from the Hebrew Bible. (CL 105 or equivalent.) Mr. Schine.

SENIOR COURSES

CL 420 SEMINAR IN CLASSICAL LITERATURE. Spring. Ms. Adler.

CL 700 SENIOR ESSAY FOR CLASSICAL STUDIES MAJORS. Fall, Spring.

CL 701 GENERAL EXAMINATION FOR CLASSICAL STUDIES MAJORS. Fall.

CL 705 SENIOR ESSAY FOR CLASSICS MAJORS. Fall, Spring.

CL 706 GENERAL EXAMINATION FOR CLASSICS MAJORS. Fall.

COMPUTER SCIENCE

Replace paragraph 3 and 4 with the following: The second of these goals is met by a wide variety of course offerings in the Department of Mathematics and Computer Science. Middlebury College now offers both concentrations in computer science and a major with a computer science emphasis in the Department of Mathematics and Computer Science.

Several courses in computer science meet the foundations course requirement for the Science Division; they include MA 103 (Introduction to Computers), MA 213 (Computer Science I), and NS 128 (Cryptology). Other elementary computer courses include MA 127 (Elementary Computer Simulation) and MA 225 (Systems Analysis and Design with Microcomputers). Detailed descriptions of these courses, as well as the more advanced courses, appear in the course listings for the Department of Mathematics and Computer Science. It is expected that students desiring a single course which provides a broad overview of computing and computers will elect MA 103. Students desiring an in-depth knowledge of computers and programming methodology, or those who wish to fulfill a concentration or major in computer science will elect MA 213.

Concentrations: A number of concentrations have been designed in the computer science area. Each begins with MA 213, MA 214, and either MA 323 or MA 325; these courses together provide a thorough understanding of important concepts and methods in computer science. (All four of these courses together constitute the Core Curriculum in Computer Science as recommended by the Association for Computing Machinery.) The fourth course in a computer science concentration may be taken from any of several related areas, and is designed to introduce the student to one of many areas of study in which the computer has become an indispensable tool. These courses include MA 200, MA 310, MA 311, MA 315, MA 318, as well as the following computer science courses: MA 226, MA 324, MA 326, MA 421, and MA 423.

Major: The Department of Mathematics and Computer Science offers a major with an emphasis in computing. Students who elect this program take a variety of freshmen and sophomore level courses in both mathematics and computer science. Advanced course work and senior work are typically done in various areas of computer science.

MA 421 (Theory of Computation) and MA 423 (Algorithms and Complexity) are included in the core courses for the majors. Up to 8 courses in computer science may count toward the required courses for this major. Students

should consult the catalog listings for the Department of Mathematics and Computer Science for further details.

CREATIVE AND EXPOSITORY WRITING

No change.

PROGRAM IN EAST ASIAN STUDIES

Participating faculty: Mr. Clifford, chairman (History), Mr. Berninghausen (Chinese Language and Literature), Mr. Chiang (Chinese Language and Culture), Ms. Endicott-West (History), Mr. Illick (Geography), Mr. Lopez (Religion), Mr. Miyaji (East Asian Languages and Culture), Ms. Powell (Art), Mr. Rosenberg (Political Science), Ms. Wang (Chinese Language and Literature), Yet-to-be-hired faculty member (Sociology-Anthropology).

Major program description: Japanese language courses are now offered at Middlebury. B- is no longer the minimum passing grade for the thesis.

MASTER LIST
Add: PS 330 U.S.-ASIAN RELATIONS
Change title of PA 256 to: TOPICS IN JAPANESE PHILOSOPHY

ALTERNATIVE A:
Required of all majors under this option: Delete PA 251 and PA 252 from the final list of options.

Add JAPANESE LANGUAGE COURSES section following CHINESE LANGUAGE COURSES, as follows:
JA 101-102 BEGINNING JAPANESE. Fall, Winter, Spring.
JA 201-202 INTERMEDIATE JAPANESE. Fall, Spring.

ALTERNATIVE B

Section II. Note that students may study in Japan. Delete final sentence of the first paragraph.

Add JAPANESE LANGUAGE COURSES Section following CHINESE LANGUAGE COURSES, as follows:
JA 101-102 BEGINNING JAPANESE. Fall, Winter, Spring.
JA 201-202 INTERMEDIATE JAPANESE. Fall, Spring.
plus other language credits earned in East Asia.

ECONOMICS

Professors: Michael Claudon (chairman, on leave), Richard Cornwall, David Smith. Associate Professor: Paul Sommers. Assistant Professors: Paul Albanese, David Audretsch (on leave). Christian A. Johnson Distinguished Professor: David C. Colander. Instructor: Stephen Smith. Visiting Instructor: Sheldon Sax.

I. THE MAJOR:

Introductory Sequence: Delete MA 113, and note that EC 150 and EC 155 presume a thorough working knowledge of algebra but not of elementary calculus.

Quantitative Sequence: No change.

Intermediate Theory Sequence: MA 112 (rather than MA 113) is a prerequisite for EC 355 and EC 350. Delete, "MA 113 and EC 350 may be taken concurrently."

Change NOTE: to read: It is important, especially for those planning to study abroad, that these three sequences be completed by the end of the fall term, junior year.

Elective Sequence: Add: NOTE: EC 800 does not substitute for a "400" level course.

Honors: Change copy to read: Seniors interested in earning Honors in

economics may enroll in EC 800 during the fall term. Normally, students enrolling in EC 800 have completed the three nonelective sequences by the beginning of the fall term, senior year, and must have earned at least a B average in economics courses.

International Major: Delete MA 115 from required courses. Note that EC 704 may not be substituted for a 400-level course.

II. ECONOMICS CONCENTRATIONS. Change heading to ECONOMICS JOINT MAJORS AND CONCENTRATIONS. Replace copy with: The following courses are not applied economics courses and therefore do not fill such a requirement in any joint major or concentration involving economics: EC 100, EC 210, EC 211, EC 315 and EC 410.

III. POST-GRADUATE PREPARATION. Add to first paragraph: Majors considering graduate programs in economics or business are strongly advised to do a mathematics concentration.

EC 100 BASIC ELEMENTS OF THE AMERICAN ECONOMY. Fall, Spring. New Description. The course will involve a broad survey of the central features of the free market economic system of the U.S. Included will be attention to national economic aggregates for the nation and more important foreign countries, the behavior of firms and consumers as reflected in Demand and Supply patterns, the role of money in the society, and applications of theory to the real world. A series of projects analyzing current economic problems will be carried out. The course will not count toward the economics major. No mathematics capability is expected. (Students who have completed EC 150 or EC 155 cannot earn credit for EC 100. Juniors and seniors by permission. Mr. D. Smith.

EC 150 INTRODUCTORY ECONOMICS (MACRO). Fall, Spring.

EC 155 INTRODUCTORY ECONOMICS (MICRO). Fall, Spring.

EC 210 ECONOMIC STATISTICS. Fall.

EC 211 ECONOMIC STATISTICS: INTRODUCTION TO REGRESSION ANALYSIS. Spring. Staff.

EC 300 CURRENT PROBLEMS IN ECONOMIC POLICY. Spring. New Description. This course is designed to relate economic theory and practice. It considers such problems as unemployment, growth, the deficit and the international debt crisis; it discusses the theoretical and practical problems of a variety of proposed "solutions" such as profit sharing, industrial strategies, incomes policies, unemployment insurance reform and tax reform. (EC 150 and EC 155.) Mr. Colander.

EC 305 PSYCHOLOGICAL FOUNDATIONS OF ECONOMIC BEHAVIOR. Fall. New Course. Explores the relationship between economics and psychology, using the economic theory of the consumer as the starting point. Personality theory is used to investigate the nature of the consumer's preferences, and psychoanalytic theory is used to understand the formation of preferences. The analysis is then extended to variations and changes in preferences, experimental studies from psychology and economics, and the role of leadership in organizations. (EC 155 or permission.) Mr. Albanese.

EC 310 ECONOMICS OF INVESTING IN SECURITIES. Fall. Mr. Sax.

EC 315 ACCOUNTING. Fall, Spring. Mr. D. Smith.

EC 320 THE CORPORATION. Spring. New Description. A study of the economic and social roles played by the corporation; a study of human productivity aspects of the corporation; and a study of the use of accounting data in corporation decision making. (EC 150, EC 155, and EC 315.) Mr. D. Smith.

EC 325 POPULATION ECONOMICS. Fall.

EC 345 EUROPEAN ECONOMIC HISTORY. Fall. New Course. A survey of the economic development of Western Europe from the 11th through the 19th centuries. Primary, but not exclusive, emphasis will be placed on the

experience of Britain, France, and Germany. Special attention will be paid to the interrelation between technological change in agriculture, manufacturing, and trade, on the one hand, and changes in the institutions governing economic activity, on the other. (EC 150 and EC 155.) Mr. S. Smith.

EC 350 MACROECONOMIC THEORY. Fall. New Description. Macroeconomic theory analyzes whether the market effectively coordinates individual's decisions so that they lead to acceptable results. It considers the effectiveness of monetary, fiscal and other policies in achieving desirable levels of unemployment, inflation and growth. The theories held by various schools of economic thought such as Keynesians, monetarists and new Classicals are considered along with their proposed policies. (EC 150, EC 155 and MA 112.) Mr. Colander.

EC 355 MICROECONOMIC THEORY. Spring. New Prerequisites. (MA 112 and EC 155.)

EC 360 INDUSTRIAL ORGANIZATION. Deleted.

EC 365 ENVIRONMENTAL ECONOMICS. Fall. Mr. D. Smith.

EC 385 LABOR ECONOMICS. Spring. New Description. A study of the modern labor market. From a microeconomic perspective, the course will examine such issues as the role of unions in the marketplace, minimum wage legislation, the nature and impact of age, sex and wage discrimination and investment in human capital. Macroeconomic topics will focus on alternative labor market models, types of unemployment, and social security. (EC 150 and EC 155.) Mr. Sax.

(EC 394 THE ECONOMICS OF NATURAL RESOURCE MANAGEMENT) Offered in 1986-87.

EC 404 TOPICS IN ECONOMIC THEORY AND POLICY. Deleted.

EC 405 PSYCHOLOGICAL FOUNDATIONS OF ECONOMIC BEHAVIOR. Fall. New Course. Explores the relationship between economics and psychology, using the economic theory of the consumer as the starting point. Personality theory is used to investigate the nature of the consumer's preferences, and psychoanalytic theory is used to understand the formation of preferences. The analysis is then extended to variations and changes in preferences, experimental studies from psychology and economics, and the role of leadership in organizations. (EC 355 or permission.) Mr. Albanese.

EC 410 ECONOMETRICS. Fall. New Description. Methods for modelling and testing economic theory. Topics include methods of estimation and inference using the linear regression model and methods of estimation when the assumptions of this model are violated because of errors of variables, serial correlation and simultaneous systems of equations. These methods include generalized least squares, instrumental variables, two stage least squares and maximum likelihood estimation. An important component of class work will be analyzing the use of statistics in recently published tests of economic theory. Students will be asked to use these methods in a project of their own. (EC 211 and MA 200.) Offered in alternate years. Mr. Cornwall.

EC 420 ECONOMIC DEVELOPMENT AND POPULATION CHANGE. Spring. New Description. The process of economic growth and development is studied from various theoretical and historical perspectives. Emphasis in placed on documenting levels and patterns of economic development; income distribution in developing countries, demographic aspects of development; and, barriers to economic development. (EC 350 or permission.) Mr. Albanese.

EC 430 INEQUALITY AND POVERTY. Spring.

EC 440 THE ECONOMICS OF INTERNATIONAL TRADE. Spring. New Description. A study of the economic basis of trade among nations, its composition and impact on domestic economics. (EC 210 and EC 355.) Mr. S. Smith.

EC 445 INTERNATIONAL FINANCE. Fall. Staff.

(EC 450 HISTORY OF ECONOMIC THOUGHT) Offered in 1986-87.

(EC 455 INDUSTRIAL STRATEGIES) Offered in 1986-87.

(EC 465 PUBLIC POLICY TOWARD BUSINESS)

(EC 470 PUBLIC FINANCE) OFFERED IN 1986-87.

EC 475 MONETARY THEORY AND FINANCIAL INSTITUTIONS. Spring. New Description. This course follows up EC 350 and further develops macroeconomic theory. Its theoretical focus is on the financial sector, but it is also concerned with the integration of the real and the financial sectors. Modern debates in monetary theory are analyzed and their implications for policy considered. Topics include the role and productivity of money, the institutional structure of U.S. and international financial markets, and the organization of the Federal Reserve System. (EC 350.) Mr. Colander.

EC 500 INDIVIDUAL SPECIAL PROJECTS. Fall, Spring.

EC 750 SENIOR THESIS (ENVIRONMENTAL STUDIES). Fall, Winter, Spring.

EC 800 SENIOR RESEARCH FOR HONORS. Fall, Spring.

ENGLISH

Professors: Paul Cubeta, Robert Hill, David Littlefield, Edward Martin (chairman)(on leave winter and spring terms), Robert Pack, Henry Prickitt. Associate Professors: John Bertolini, John Elder, (on leave fall and winter terms), Gary Margolis (part-time), Jay Parini(on leave), David Price. Assistant Professors: Ray Carney, Elizabeth Napier. Visiting Associate Professor: Sydney Lea. Visiting Assistant Professor: Susan Mitchell. Visiting Instructor: Kathleen Skubikowski.

EL 101 NARRATIVE FICTION. Fall, Spring. Staff.

EL 103 LYRIC AND NARRATIVE POETRY. Fall, Spring. Mr. Hill, Mr. Cubeta.

EL 104 DRAMA: CLASSICS AND COMMERCIALS. Fall.

EL 105 DRAMA. Spring. Mr. Bertolini, Ms. Mitchell.

EL/TH 125 SHAKESPEARE. Deleted.

EL 107 JOURNAL AND ESSAY. Spring.

(EL 160 THE STRUCTURE OF NONFICTION)

EL 170 THE STRUCTURE OF FICTION. Fall, Spring. Ms. Mitchell, Mr. Price.

EL 175 THE STRUCTURE OF POETRY. Fall, Winter, Spring. Mr. Margolis, Ms. Mitchell.

MAJOR PROGRAM
Under Required for the Major, delete reference to AL 304 in category (2), group (IV); delete reference to EL/TH 225 in category (3).

Under Fields, Drama: Change (2) to EL 111 or EL 224. Change (3) to EL 321.

Novel: No Change.

Poetry: No Change.

Creative Writing--Poetry: Change (3) to AL/EL 312 or EL 213 or EL 314 or AL 306 or AL 307.

Creative Writing--Fiction and Nonfiction: Change (3) to EL 206 or EL 207 or EL 208 or EL/AL 309 or AL 301 or AL 302.

Change final paragraph of major copy description to: Fall term and spring term Senior Essays must be submitted no later than the last day of classes. Late essays will receive a grade no higher than C. Honors

Theses (two-term writing programs and projects) must be submitted no later than the end of the first week of classes following Thanksgiving recess. Late theses will receive a grade no higher than C and will have no oral examination or outside reader. No one is permitted to register for the second term in an Honors Thesis program unless he or she has accomplished and submitted a substantial amount of work during fall term.

LITERATURE

(*EL 110 CONTINENTAL FICTION)

(*EL 111 EUROPEAN DRAMA: RENAISSANCE TO MODERN)

*EL 112 MYTHOLOGIES TIMELESS AND TIMELY, TRADITIONAL AND CONTEMPORARY. Spring. New Description. Analytic and comparative study of some of the basic stories, symbols, and archetypes which formed and continue to enliven the imaginative life of 20th century western culture, including, among others, Homer's Odyssey, Sophocles' Oedipus, Lucretius' The Nature of Things, Ovid's Metamorphoses, selections from the Old and New Testaments, the works of Sigmund Freud and Carl Jung, and concluding with Stanley Kubrick's film, 2001: A Space Odyssey. Mr. Littlefield.

(*EL/AL 113 VISIONS OF NATURE) Offered in 1986-87.

EL 201 INTERPRETATION OF LITERATURE: CHAUCER, SHAKESPEARE, MILTON. Fall, Spring.

EL 202 INTERPRETATION OF LITERATURE: MAJOR POETS FROM THE EIGHTEENTH TO THE TWENTIETH CENTURY. Fall, Spring. Mr. Pack, Mr. Hill.

EL 206 EARLY ENGLISH NOVEL (II). Spring.

EL 207 NINETEENTH CENTURY ENGLISH NOVEL (III) Fall, Spring. Add Trollope to the authors to be studied. Mr. Hill, Mr. Prickitt.

EL 208 TWENTIETH CENTURY ENGLISH NOVEL (IV) Fall, Spring.

(EL 211 CLASSICS OF LITERATURE: THE ANCIENT EPIC)

EL 213 ENGLISH ROMANTICISM (III). Fall. Mr. Carney.

(EL 224 MEDIEVAL AND RENAISSANCE DRAMA (I))

EL/TH 225 SHAKESPEARE'S COMEDIES (WS). Deleted.

(EL 227 GREEK COMEDY)

EL 229 MODERN BRITISH DRAMA (IV). Fall. New Description. British drama in the 20th century has been a continuing search for a new dramatic language and for dramatic forms. Among the leaders of this search are the following playwrights: G.B. Shaw, T.S. Eliot, Samuel Beckett, Harold Pinter, Tom Stoppard, John Osborne. This course will explore representative plays by them, as well as by those who have written for the commercial theater, such as Noel Coward, Terrance Rattigan, Robert Bolt, and Anthony Shaeffer. Connections with modern British cinema will be made. Mr. Bertolini.

(EL 301 CHAUCER (I))

EL 302 MEDIEVAL LITERATURE (I). Fall. New Description. This course will introduce students to some major works and major impulses in the literature of the High Middle Ages. Taking as its foci the medieval forms of dream-vision and romance, the course will study such works as The Romance of the Rose by Guillaume de Lorris and Jean de Meun, Sir Gawain and the Green Knight, Langland's Piers Plowman, and three of Chaucer's dream-visions- The Book of the Duchess, the Parlement of Foules, and the Hous of Fame--as well as the Knight's, the Nun's Priest's, and the Canon's Yeoman's Tales, and Troilus and Criseyde. In addition, we will explore connections between late medieval literature and the visual arts. Ms. Mitchell.

EL 303 ENGLISH LITERATURE OF THE SIXTEENTH CENTURY (I). Spring. Mr. Bertolini.

EL 304 ENGLISH LITERATURE OF THE SEVENTEENTH CENTURY (II). Fall. Mr. Littlefield.

(EL 305 EIGHTEENTH CENTURY POETRY AND PROSE). Offered in 1986-87.

EL/AL 309 CONTEMPORARY LITERATURE (IV). Spring.

EL/AL 312 MODERN POETRY (IV). Spring. New Description. This course will examine the poetry of Hopkins, Hardy, Yeats, Thomas, Frost, Robinson, Stevens and Williams. In each case the influence of literary modernism will be considered as well as the use of tradition. Selected poems will be examined comparatively in respect to such major themes as desire, belief, imaginative perception. (Formerly EL 212.) Mr. Pack.

(EL 314 VICTORIAN POETRY (III))

EL 321 SHAKESPEARE (WS). Fall, Spring.

HI 353 BRITISH HISTORY, 1603-1815. Fall. See description under History. Mr. Monod.

(HI 354 BRITISH HISTORY, 1815-1879)

SEMINARS. Replace all copy under this heading with the following:

The process or activity of the seminar is as important as the subject: in each seminar there will be close analytical discussions of the reading, and those discussions will form the basis for extensive writing requirements. Seminars that fill requirements in the major in addition to Field requirements are so indicated.

All English department seminars are permission courses. The student must obtain the approval of the department prior to registration. Inquire at the department office for application procedures at least one week before registration. Students not majoring in English are welcome to apply, and are encouraged to do so.

Courses that fill the English Department seminar requirement and that are offered by other departments and/or programs are also listed below.

LS 705 LITERARY STUDIES COLLOQUIUM. Fall. See description under Program in Literary Studies. Mr. Bertolini.

EL 401 SEMINAR: JOHN MILTON. Spring. A study of the major poetry: "L'Allegro" and "Il Penseroso," Comus, "Lycidas," Samson Agonistes, Paradise Lost, and Paradise Regained; and selected prose: "On Education," The Doctrine and Discipline of Divorce, Areopagitica, and selections from the political tracts. Attention will be directed to the social, religious, and political aspects of Milton's work as well as his literary achievement. (Please apply at department office.) Mr. Littlefield.

EL 402 SEMINAR: JAMES JOYCE. Fall. (Please apply at department office.) Mr. Price.

EL 403 SEMINAR: THOMAS HARDY, VIRGINIA WOOLF, D. H. LAWRENCE. Spring. An inquiry into the thematic and philosophical interrelationships linking these three authors; primary emphasis on the major fiction, with some consideration of selected works of critical prose and poetry. (Please apply at English Department office.) Mr. Donadio.

AL 450 SEMINAR: ROBERT FROST. Spring. See description under American Literature. Mr. Hill.

EL 405 SEMINAR: ROMANCE. Fall. The narrative tradition of romance literature: a consideration of sources, representative subjects, themes, attitudes, visions both of inner and outer nature, and elements of style. We will read works from Old English poetry and Medieval literature to the 20th century, as well as satires of the convention: Beowulf; Tristan; Sir Gawain and the Green Knight; Chaucer's Troilus and Criseyde; selections from Malory's Morte d'Arthur; Pope's "Rape of the Lock"; Bronte's

Jane Eyre; Tennyson's "Idylls of the King"; Henry James's The Europeans; D. H. Lawrence's Lady Chatterly's Lover; William Faulkner's Sanctuary; John Irving's The World According to Garp. (Please apply at department office.) Mr. Martin.

EL 421 SEMINAR: SHAKESPEAREAN TRAGEDY (WS). Fall. An intensive scrutiny of language, character, and theme in several of Shakespeare's major tragedies. While preference is given to non-English majors, the seminar also satisfies the Shakespeare requirement for those English majors who take it. Not open to those who have taken EL 321. (Please apply at department office.) Mr. Cubeta.

WRITING
TH 218 INTERMEDIATE WORKSHOP: PLAYWRITING I. See description under Theatre, Dance and Film.

(EL 260 INTERMEDIATE WORKSHOP: NONFICTION)

EL 270 INTERMEDIATE WORKSHOP: FICTION. Fall, Spring. Mr. Martin, Mr. Lea.

EL 275 INTERMEDIATE WORKSHOP: POETRY. Fall. Mr. Pack.

EL 460 ADVANCED WRITING. Fall, Spring. Mr. Lea, Mr. Pack.

SPECIAL PROJECTS
EL 500, 520, 560 SPECIAL PROJECTS. Fall or Spring.

SENIOR PROGRAM
EL 700 SENIOR ESSAY. Fall, Spring.

EL 705 GENERAL EXAMINATION. Winter.

EL 710 HONORS THESIS. Fall, Spring.

ENVIRONMENTAL STUDIES

Replace all copy with the following:

The program in Environmental Studies provides a diverse interdisciplinary undergraduate major for students interested in graduate programs in Environmental Studies or Environmental Sciences. Because the major includes significant work in two divisions, students majoring in Environmental Studies are not required to take a concentration. The major may be supplemented by a series of optional foci which provide more flexibility to the student in the pursuit of career goals which do not include graduate studies.

The major includes BI 190 (Ecology) or NE 320 (Northern Ecosystems), BI 311 (Ecosystems Analysis), BI 411 (Seminar in Ecology), CH 103 (Fundamentals of Chemistry I), CH 104 (Fundamentals of ChemistryII), EC 155 (Micro Economics), EC 365 (Environmental Economics) or EC 394 (Resource Economics) or NE 360 (Political Economy of Resource Management), GG 201 (Techniques of Environmental Analysis), GG 250 (Physical Earth Processes), MA 213 (Programming I) or MA 103 (Introduction to Computers), MA 112 (Mathematical Analysis I), and PS 200 (Theories and Methods of Political Analysis) or NE 152 (Public Policy in the Circumpolar North) or NE 370 (Northern Policy Studies) or PA 190 (Ethics and the Environment) or PS 104 (Introduction to American Political Process.)

Optional foci include:

BIOLOGY	CHEMISTRY	COMPUTERS	ECONOMIC	GEOGRAPHY	GEOLOGY	PHYSICS	STATISTICS
BI 125	CH 241	MA 113	EC 210	GG 202	GL 112	PH 109	
BI 201	CH 242	MA 213	EC 355	GG 260	GL 201	PH 110	
or	CH 351	or	EC 365	GG 300	GL 252	PH 201	
BI 202	CH 412	MA 200	EC 470	GG 451	GL 381	PH 202	
or	or	MA 214		GG 453		PH 212	
BI 203	CH 431	MA 315					
or		or					
		MA 310, 311					

BI 230
BI 250
BI 216
or
BI 302

Senior research is also possible under ES 500 (independent studies) and ES 700 (senior thesis). Those participating in the ES 700 course will be expected to make a public presentation of their research and defend their theses before a committee including members of at least three departments participating in the major.

A student majoring in Environmental Studies and taking the courses of the biology focus will be eligible for certification as an ecologist by the Ecology Society of America if the student completes one semester of senior work and one year of professional work after graduation.

Students matriculating between September 1982 and September 1984 should work out their programs with the Environmental Studies Director.

ES 500 INDEPENDENT STUDY. Fall, Winter, Spring.

ES 700 SENIOR THESIS. Fall, Winter, Spring.

FRENCH

Professors: Simon Barenbaum, Edward Knox (on leave), Carol Rifelj. Associate Professor: Nancy O'Connor. Assistant Professors: Mireille Barbaud-McWilliams, Roddey Reid. Visiting Instructors: Philippe France, Stephanie Eberhart Montgomery.

Major Program copy: Replace paragraph 3 with the following:

The School in France: Middlebury offers both year and semester programs in Paris. Qualified students from any academic department may apply. It is the department's expectation that majors in French will spend at least one semester in residence in France. Students who are interested in studying abroad who are double or joint majors or International majors, or who plan on participating in the Teacher Education Program, should consult the appropriate advisers as early as possible to avoid any conflicts in requirements. They should in any event contact the Dean of the French School before registering for their sophomore year.

Students planning to participate in the program in Paris must have completed two full years of college at the time they undertake their study abroad; they must have taken at least one course beyond FR 205 at the time they apply for admission; and they must have an over-all average of at least B- and an average in French of at least B. We expect all applicants to demonstrate their commitment to French by continuous study of French from the time of their enrollment at Middlebury, and to maintain their academic level if they are accepted. Students applying for a semester only are required to take FR 206. Applications for admission to the School in France, whether for the full year or one semester, should be submitted by January 31 if possible.

Under Senior Independent Work, replace paragraph 1 with the following:

Upon completing at least two 300-level courses in the department, majors who are well prepared and who have an average in French of B+ or better may receive permission to do independent work during their senior year. They may consider various formats: an essay or project (FR 500, one semester) or a thesis (FR 700, semester and winter term). Independent work also may be undertaken in the context of a course or be linked to a teaching internship.

Under Honors, replace all copy with the following:

Honors: The department will award Honors, High Honors, or Highest Honors on the basis of a student's work in the department and performance in senior independent work approved in advance by the department.

FR 101 INTENSIVE BEGINNING FRENCH. Winter.

FR 102 BEGINNING FRENCH. Spring.

FR 201 INTERMEDIATE FRENCH. Fall.

FR 202 INTERMEDIATE FRENCH. Fall, Spring. New Description. Follows FR 201. The course will provide a thorough review of French grammar while introducing readings and practice in oral comprehension and production. Staff.

FR 203 INTERMEDIATE FRENCH. Deleted.

PREREQUISITES TO THE MAJOR
FR 205 TOWARD LIBERATED EXPRESSION. Fall, Spring.

At least two of the following four courses:

FR 206 INTRODUCTION TO CONTEMPORARY FRANCE. Fall, Spring. New Prerequisites. (FR 205 or placement.) Mr. Reid.

FR 207 INTRODUCTION TO FRENCH POETRY. Spring. New Prerequisites. (FR 205 or placement.)

FR 208 INTRODUCTION TO FRENCH THEATER. Fall, Spring. New Prerequisites. (FR 205 or placement.)

FR 209 INTRODUCTION TO FRENCH PROSE. Fall, Spring. New Prerequisites. (FR 205 or placement.)

LANGUAGE, LITERATURE, CIVILIZATION
FR 112 HUMANISTS AND HEROES. Fall. New Course. Starting with the development of Humanism during the Renaissance, we will examine the image of the human condition and the conception of secular heroism as they have evolved in French literature up to the 20th century. The emphasis will be on careful reading and on developing the critical tools needed to analyze and write about texts from a literary as well as a thematic standpoint. Readings will include selections from Montaigne, Pascal, Moliere, Voltaire, Balzac, Sartre, Camus and Beckett. (This course satisfies the Freshman Writing Requirement; it does not count toward the major in French.) Ms. O'Connor.

FR 222 FACETS OF A CHANGING FRANCE. Spring.

FR 305 ADVANCED PRACTICE IN WRITTEN FRENCH. Spring. New Prerequisites. (Permission.)

(FR 310 LITERATURE AND SOCIETY IN THE ANCIEN REGIME)

(FR 311 VOLTAIRE, DIDEROT AND THE FRENCH ENLIGHTENMENT)

FR 312 THE EIGHTEENTH CENTURY NOVEL AND THE IMAGE OF WOMEN. Spring. New Description. We will attempt to place selected novels in the historical and cultural context of the ancien regime as well as studying the ways their narrative forms, style and themes structure their visions of women. Readings will include novels by Voltaire, Diderot, Rousseau, Sade and Laclos. Mr. Reid.

FR 313 TOPICS AND PROBLEMS IN CONTEMPORARY FRENCH CIVILIZATION. Fall. New Title and Description. The course will focus this year on a recent epoch of French history which has become a central though perhaps unacknowledged symbolic point of reference in French political, cultural and economic discourse today: the 60's. A period of marked social change and upheaval, its legacy is still felt in the 1980's. The course will explore in detail such topics as decolonization, the rise of consumer society, the student movement, "mai 68," and the new aesthetics in film and the novel with a view towards giving students a sophisticated understanding of both the realities and myths associated with this period. (FR 206 or equivalent in France.) Mr. Reid.

FR 315 THE NINETEENTH CENTURY NOVEL. Fall. New Prerequisites. (FR 209 recommended.) Ms. Rifelj.

FR 316 NINETEENTH CENTURY POETRY. Fall. New Description. This course will study the major 19th century French poets. We will study the importance of poetry in literary movements like romanticism and symbolism.Readings will include works by Hugo, Lamartine, Vigny, Baudelaire and Mallarme among others. (FR 207 recommended.) Ms. Barbaud-McWilliams.

FR 317 TWENTIETH CENTURY DRAMA: L'ACTE ET LA PAROLE. Spring. New Prerequisites. (FR 208 recommended.) Ms. Montgomery.

(FR 320 THE TWENTIETH CENTURY NOVEL). See FR 704, below.

FR 321 FROM THE BAROQUE TO THE CLASSICAL STAGE. Fall. New Prerequisites. (FR 208 recommended.) Ms. Montgomery.

(FR 324 CULTURE AND IDENTITY IN FRANCOPHONE LITERATURE)

FR 442 WORKSHOP IN FRENCH RADIO. Spring. New Description. Students will combine their various talents and backgrounds to prepare and present a weekly radio program in French. We will examine the problems of programming, production and communication with different audiences. The course will require research in contemporary sources and regular written work. (Permission.) Mr. Barenbaum.

FR 500 INDEPENDENT PROJECTS. Fall, Spring.

FR 700 SENIOR RESEARCH. Fall, Winter, Spring.

FR 704 SENIOR SEMINAR. THE TWENTIETH CENTURY NOVEL. Spring. New Description. A consideration of characteristic themes in the 20th century novel (space, time, the role human endeavor, etc.). We will also investigate the mission and responsibility of the modern writer and the possible answers to such questions as: Why does one write? For whom? Authors will include Proust, Breton, Sartre, Camus, Butor. (Limited to seniors.) Ms. Barbaud-McWilliams.

GEOGRAPHY

Professor: J. Rowland Illick. Assistant Professors: Robert Churchill, Susan Cowart, Ron Liebowitz.

Major Program copy: change Required geography courses for the major to read: Ten geography courses are required to complete the major. These include 1) an introductory course (GG 100), 2) the core sequence (GG 250, GG 310, GG 320, GG 330), 3) two seminars (from courses in the 400's) and 4) three other geography courses, at least two of which must be numbered between GG 100 and GG 250.

INTRODUCTORY COURSE

*GG 100 GEOGRAPHY: A MODERN SYNTHESIS. Fall, Spring. Mr. Churchill, Fall; Mr. Liebowitz, Spring.

(NS 150 ENVIRONMENTAL SCIENCE)

CORE COURSES

GG 201 TECHNIQUES OF ENVIRONMENTAL ANALYSIS. See GG 310, below.

GG 202 CARTOGRAPHY AND GRAPHICS. See GG 320, below.

GG 250 PHYSICAL EARTH PROCESSES. Fall. Mr. Churchill.

GG 260 HUMAN GEOGRAPHY. Deleted.

GG 300 RESEARCH METHODS IN GEOGRAPHY. See GG 330, below.

GG 310 TECHNIQUES OF ENVIRONMENTAL ANALYSIS. (Formerly GG 201). Fall.

GG 320 CARTOGRAPHY AND GRAPHICS (Formerly GG 202). Spring. New Prerequisites. (GG 310 or equivalent recommended.)

GG 330 RESEARCH METHODS IN GEOGRAPHY (Formerly GG 300). Fall. Ms. Cowart.

GG 400-level Seminars.
Seminars are to provide the advanced student with an opportunity to pursue particular research areas in depth. They require intensive writing and reading of relevant literature. Five seminars are identified: political, economic, urban, physical and topics in Soviet geography. Seminar descriptions will be provided for each registration period.

GG 410 SEMINAR IN POLITICAL GEOGRAPHY. Spring. Ms. Cowart.

(GG 411 SEMINAR IN ECONOMIC GEOGRAPHY)

(GG 412 SEMINAR IN URBAN GEOGRAPHY)

GG 450 SEMINAR IN PHYSICAL GEOGRAPHY. Fall. Mr. Churchill.

GG 451 SEMINAR IN ECONOMIC GEOGRAPHY. See GG 411, above.

GG 452 SEMINAR IN PHYSICAL GEOGRAPHY. See GG 450, above.

GG 454 SEMINAR IN URBAN GEOGRAPHY. See GG 412, above.

GG 455 SEMINAR IN SOVIET GEOGRAPHY. Fall. Mr. Liebowitz.

NON-CORE COURSES
GG 210 THE GEOGRAPHY OF DEVELOPMENT (Formerly GG 352). Fall.

GG 212 URBAN GEOGRAPHY: PATTERNS, PROBLEMS AND POLICIES (Formerly GG 351). Spring. Ms. Cowart.

GG 213 POPULATION GEOGRAPHY. Spring. New Course. Population geography seeks to explain the spatial patterns of selected demographic characteristics (e.g., fertility/natality, mortality, (2) what the processes are that create the patterns; (3) why the processes and patterns diffuse as they do; and (4) what effects the changing patterns of selected demographic characteristics have on a population. The purpose of this course is to provide the student with a basic understanding of population dynamics. Topics to be covered include (1) population practice, policy, and theory; (2) demographic data -- a basic source of statistics, how are they collected and processed; population composition -- age, gender, and ethnic compositions; and population dynamics -- mortality, natality, migration, and population change. Lecture course, discussion encouraged. Mr. Liebowitz.

GG 215 POLITICAL GEOGRAPHY (Formerly GG 355). Fall.

GG 220 MIDDLE EAST AND NORTH AFRICA (Formerly GG 331). Fall.

GG 221 SOUTH AND EAST ASIA (Formerly GG 330). Spring.

GG 222 CONTEMPORARY GEOGRAPHY OF THE SOVIET UNION. Spring. New Course. This course will concentrate on contemporary Soviet society, analyzed in its spatial context. Included in our coverage will be the administrative structure of the state; the economic organization of space, which will include an historical overview of economic policy, the laws of socialist and Soviet development and agricultural policies; and a section on the demographics of a stratified multinational society, which will address the economic and political implications of policies intended to lessen some of the recognized demographic imbalances. Three one-hour lectures weekly, discussion expected. Mr. Liebowitz.

GL 252 GEOMORPHIC PROCESSES. Spring.

(GG 253 NATURAL HAZARDS (Formerly GG 353))

GG 254 WEATHER AND CLIMATE (Formerly GG 354). Spring.

GG 330 SOUTH AND EAST ASIA. See GG 221, above.

GG 331 MIDDLE EAST AND NORTH AFRICA. See GG 220, above.

GG 351 URBAN GEOGRAPHY. See GG 212, above.

GG 352 THE GEOGRAPHY OF DEVELOPMENT. See GG 210, above.

GG 353 NATURAL HAZARDS. See GG 253, above.

GG 354 WEATHER AND CLIMATE. See GG 254, above.

GG 355 POLITICAL GEOGRAPHY. See GG 215, above.

GG 500 RESEARCH IN GEOGRAPHY. Fall, Spring.

GG 700 SENIOR RESEARCH. Fall, Winter, Spring.

GEOLOGY

Professor: Brewster Baldwin. Assistant Professors: Raymond Coish (chairman), Peter Goreau, Lucy Harding. Plus faculty member yet to be hired.

Major Program copy:
In paragraph 2, delete GL 112 from introductory offerings.

In paragraph 3, add the following after the second sentence: No specific course (except senior research) is required. However, Bedrock Geology of Vermont (GL 201) and Mineralogy (GL 202) are strongly recommended for students majoring in geology.

In paragraph 5, change the first sentence to read: Students planning to major in geology are required to complete four courses (not all in one department) in the cognate sciences of biology, chemistry, mathematics and physics, and a computer science course.

(GL 112 ENVIRONMENTAL GEOLOGY)

(NS 150 ENVIRONMENTAL SCIENCE)

GL 161 ELEMENTS OF OCEANOGRAPHY. Fall.

*GL 170 GLOBAL TECTONICS. Fall, Spring.

GL 201 BEDROCK GEOLOGY OF VERMONT. Fall. New Description. A course designed to introduce geology majors to methods of describing rocks in the field and laboratory, and to interpretation of the origin of rocks. Six field problems (combining class and lab time) are supported by lectures on classification and meaning of rocks, and on aspects of Vermont geology not seen in the field. Emphasis is on descriptive writing and on use of data to support interpretation in field reports and final reports. The last few labs are an introduction to invertebrate fossils. 3 hrs. lect., 4 hrs. lab. (An introductory geology course and permission.) Mr. Baldwin, Mr. Coish.

GL 202 MINERALOGY. Spring. New Course. A course in the nature, identification, composition, and meaning of minerals and mineral assemblages. Introduction to crystallography, optical mineralogy, x-ray analysis and electron microprobe analysis. Laboratory: study of minerals in hand specimen and thin section; use of x-ray diffraction and electron microprobe in mineral analysis. 3 hrs. lect., 3 hrs. lab. (An introductory geology course.) Staff.

GL 252 GEOMORPHIC PROCESSES. Spring.

GL 261 SEDIMENTARY ROCKS. Deleted.

(GL 292 PLANETARY GEOLOGY)

GL 342 MARINE GEOLOGY. Spring.

GL 351 PETROLOGY I. Fall. New Course. The first half of a 2-semester course in petrology. Sedimentary rocks: (8 weeks) Study of mineralogy, texture, primary structures and fossils to determine environments of deposition, depositional systems, and facies relationships. Laboratory: description and interpretation of sedimentary rocks in the

field, hand specimen, and thin section. Igneous rocks: (4 weeks) Introduction to thermodynamics; phase rule and phase diagrams and their importance in explaining mineral compositions and assemblages. Laboratory: textures and mineral assemblages in thin section. 3 hrs. lect., 3 hrs. lab. (GL 202.) Ms. Harding, Mr. Coish.

GL 352 PETROLOGY II. Spring. New Course. The second half of a 2-semester course in petrology. Igneous Rocks: (4 weeks) Origins, tectonic settings and evolutions of magmas, using field data, mineralogy, phase equilibria, and geochemistry of the igneous rocks. Laboratory: Thin-section study of suites of igneous rocks. Metamorphic Rocks: (8 weeks) An analysis of metamorphism based on mineralogy, mineral assemblages, and textures of metamorphic rocks. Discussions characterize the progressive metamorphism of sedimentary and igneous rocks, in terms of tectonic environment. The use of metamorphic histories to understand tectonic events will also be discussed. 3 hrs. lect., 3 hrs. lab. (GL 351.) Staff.

GL 361 SEDIMENTARY ROCKS. Fall. New Course. The same course as GL 351 for the first 8 weeks; the last 4 weeks is devoted to an independent project on sedimentary rocks, instead of the 4 weeks on igneous rocks. 3 hrs. lect., 3 hrs. lab. (An introductory geology course.) Ms. Harding.

GL 381 STRUCTURAL GEOLOGY. Fall.

GL 392 IGNEOUS PETROLOGY. Deleted.

GL 462 REGIONAL GEOLOGY. Spring. New Title and Description. A seminar on regional geology of North America. The first six weeks will be devoted to current concepts in structural geology, stratigraphy, and petrology. During the last six weeks, students will apply these concepts to selected problems. Field relationships of pertinent geologic terranes will be examined during several Saturday field trips. 3 hrs. lect. (Two geology courses.) Ms. Harding.

GL 482 GEOPHYSICS. Spring.

GL 491 METAMORPHIC PROCESSES. Deleted.

GL 492 GEOLOGY SEMINAR. Fall. New Prerequisites. (Permission.)

GL 500 READINGS AND RESEARCH. Fall, Spring.

GL 700 SENIOR RESEARCH. Fall, Winter, Spring.

GL 750 SENIOR THESIS (ENVIRONMENTAL STUDIES). Fall, Winter, Spring.

GERMAN

Professors: Thomas Huber (chairman), Kimberly Sparks (on leave), Van Horn Vail (in Mainz during 1985-86). Visiting Assistant Professor: C. Andrew Weeks. Lecturer: Constance Kenna. Assistant: Sabine Bruckmann. One new faculty member to be appointed.

GN 101 ELEMENTARY GERMAN. Fall.

GN 102 ELEMENTARY GERMAN. Spring.

GN 201 INTERMEDIATE GERMAN. Fall.

GN 202 ADVANCED GERMAN. Spring.

GN 303 STYLISTICS. Fall. New Description. Exercises in various styles of written and spoken German, using source materials from German TV, newspapers and magazines. Students will study language and style in documentary writing,news reporting and analysis, advertising and other areas of mass media. Systematic expansion of vocabulary with emphasis on idiomatic usage and special attention to correctness of grammar. Ms. Kenna.

(GN 305 THE GERMAN NOVELLE I)

(GN 306 THE GERMAN NOVELLE II)

(GN 307 THE GERMAN NOVELLE III)

(GN 310 GERMAN IN ITS CULTURAL CONTEXTS)

(GN 315 GERMAN DRAMA)

(GN 321 BUSINESS GERMAN AND GERMAN BUSINESS)

(GN 325 MODERN GERMAN POLITICS: THE CRISES OF '82 AND THE ELECTIONS OF '83)

(GN 401 EMERGENCE OF GERMAN AS A LITERARY LANGUAGE)

GN 402 THE ESTABLISHMENT OF GERMAN AS A LITERARY LANGUAGE. Fall. New Description. A representative selection of Goethe's early and mature works will provide the frame of the course. The student will be given insight into the artistic development of a single great figure and the surrounding minor literary figures. Readings will include an early novel of Goethe's, lyrics from throughout his career and several plays, including Faust I. Some of Schiller's poems, essays and plays will be used to counterpoint Goethe's intellectual and artistic development. (Open to all students who have had GN 202 or its equivalent.) Mr. Huber.

(GN 406 ROMANTICISM)

(GN 410 GERMAN LYRIC POETRY (SENIOR SEMINAR))

GN 414 MODERN GERMAN HISTORICAL FICTION. Fall. New Course. Contemporary German fiction and film has an obsession with "open questions" of modern German history: the responsibility for WW I, Hitler's coming to power, 1945 as Stunde Null for a new start or restauration, etc. Students will study contemporary fiction as well as items from the media, printed and other, to take a closer look at the recurrent themes from German history found in literature and culture. Requirements include regular writing assignments plus a longer paper in German. Mr. Weeks.

GN 421 MODERN GERMAN DRAMA. Spring. New Description. The resurgence of German drama after World War I will be the center of discussion. Plays to be analyzed include works of Goering, Toller, Bertolt Brecht and Carl Zuckmayer. As the new-found dramatic language is closely connected with developments in German cinema of the period, selections from this medium will be included as well, among them Der blaue Engel, Metropolis and Nosferatu. Mr. Huber.

(GN 430 VIENNA--CULTURE AND LITERATURE (SENIOR SEMINAR))

(GN 431 BERLIN--CULTURE AND LITERATURE)

GN 500 INDEPENDENT STUDY

GN 800 HONORS PROJECT

PLEASE NOTE: A new staff member, still to be appointed, will offer an upper-level course each term. In addition, Mr. Weeks will offer an upper-level course in spring term 1986.

HISTORY

Professors: Nicholas Clifford (chairman), Travis Jacobs, Marjorie Lamberti, John Spencer, Pardon Tillinghast. Associate Professor: John McCardell. Assistant Professors: Barbara Bellows (on leave), David Macey, Stephen Homick (Dana Faculty Fellow). Visiting Assistant Professor: Elizabeth Endicott-West (on leave). Visiting Instructor: Paul Monod.

Major Program description: The department will offer courses in Latin American history beginning in September 1985.

Add Joint Major: A student who is a joint major in History and another department must offer a total of at least eight courses in History chosen in consultation with a faculty adviser. Cognates are not allowed. Students must offer at least one course in each of the subfields (American, European, Non-Western) covered by the department. Ultimately, the choice of courses should depend upon the need for the student's program to achieve an intellectual coherence and integrity. Joint majors must take both a reading and a writing seminar or equivalent (HI 500) and must complete a two-term thesis combining the skills of both major disciplines. The Department believes that in many cases the requirements of a double major are only a little more difficult to fulfill and can prove much more intellectually satisfying.

HI 100-399 LECTURE COURSES. No change.

HI 401-419 READINGS COURSES. Delete final sentence.

HI 420-429 RESEARCH SEMINARS. No change.

HI 700 SENIOR INDEPENDENT STUDY. No change.

HI 705 TEACHING ASSISTANTSHIP. No change.

FOUNDATIONS COURSES
*HI 103 TURNING POINTS IN EARLY MODERN HISTORY. Fall. No seniors will be admitted to this course.

*HI 104 MODERN REVOLUTIONS. Spring.

LECTURE COURSES
HI 203 UNITED STATES HISTORY, 1492-1861. Fall.

HI 204 UNITED STATES HISTORY, 1861-Present. Spring.

HI 215 HISTORY OF MODERN EUROPE, 1800-1900. Fall. New Description. A social and cultural history of Europe in the 19th century emphasizing the manifold changes that are called "modernization." The political upheavals, class conflicts, and ideologies of the age will be studied in the wide context of society undergoing transformation. Going beyond the ruling elites and the middle class, the course examines also the inarticulate common people, the culture of the rural peasant family, and the lives of urban working-class men and women. Miss Lamberti.

HI 216 HISTORY OF MODERN EUROPE, 1900-1968. Spring. New Description. A study of Europe in the 20th century concentrating on the origins and the impact of the First World War, the rise of fascist movements and the Nazi dictatorship, the Bolsheviks in power and the triumph of Stalinism, the outbreak of the Second World War, the effects of the peace settlement and the coming of the cold war, and Europe's economic recovery from the devastations of war and quest of unity. Miss Lamberti.

*CL 216 HISTORY OF GREECE. Deleted.

CL 217 HISTORY OF THE ROMAN REPUBLIC. Deleted.

(HI 225 THE FOUNDATIONS OF MODERN AFRICA)

HI 226 MODERN AFRICA. Fall. New Description. Beginning with the European powers' scramble for African territory in the last quarter of the 19th century, this course analyzes the evolution and behavior of nation-states in sub-Saharan Africa, with particular emphasis on the post-1960 years of independence. Mr. Spencer.

HI 235 MODERN EAST ASIA, 1750-1912. Fall.

HI 236 MODERN EAST ASIA, 1912-1976. Spring.

HI 238 MODERN MIDDLE EAST HISTORY (Formerly HI 338). Spring.

HI 285 COLONIAL LATIN AMERICA. Fall. New Course. This course will treat the discovery, conquest, and colonization of the New World by Hispanic peoples. Such topics as the pre-Columbian Hispanic and

Amerindian world, the process of conquest and colonization, and the evolution of colonial Hispanic-American society and culture will be examined at length. Brazil will be presented as a Portugese counterpoint to Hispanic colonization in the New World. The course will end by focusing on the wars of independence and the birth of the modern Hispanic-American republic. Mr. Homick.

(HI 286 MODERN LATIN AMERICA). Offered in 1986-87.

(HI 331 IMPERIAL CHINA)

(HI 333 CHINESE INTELLECTUAL HISTORY)

(HI 334 CHINESE INSTITUTIONAL AND SOCIAL HISTORY)

HI 335 TRADITIONAL JAPAN. Fall.

HI 338 MODERN MIDDLE EAST HISTORY. Changed to HI 238, see above.

HI 339 HISTORY OF SOUTHERN AFRICA. Spring. New Course. A close examination of Southern Africa--Angola, Malawi, Mozambique, South Africa, Zambia and Zimbabwe--from the time of the first African political groupings (before the arrival of white Europeans) to the present. Mr. Spencer.

HI 341 THE CIVILIZATION OF THE DARK AGES. Winter. New Description. Western Europe from the 5th to the 11th centuries. This was a barbaric world, shot through with memories of former grandeur, but with little to hope for from the future. In view of this outlook, its achievements were astonishing. This course will be offered during Winter Term 1986. Mr. Tillinghast.

HI 342 THE MEDIEVAL OUTLOOK: 1050-1300. Spring. New Description. During the 11th century, something happened to the peoples in Western Europe: an outburst of energy in every field transformed them within 200 years from semi-barbarians into members of an alert and driving group of cultures. Then the advances began to slow down. The course will try to find out why. Mr. Tillinghast.

(HI 343 EUROPE IN THE RENAISSANCE) Offered in 1986-87.

(HI 344 THE REFORMATION) Offered in 1986-87.

(HI 346 HISTORY OF FRANCE: 1750-1940) Offered in 1986-87.

HI 347 RUSSIAN HISTORY TO THE GREAT REFORMS. Fall. New Description. The single most important characteristic of Russian history has been the role of the state and its ruler, the "Emperor of All the Russias." This introductory course will focus on the origin and development of the centralized Russian state and its autocratic system of government, and the relationship between these processes and the evolution of particular social groups. It will be organized topically around a series of specific problems including: Was there a Kievan State?; the rise of Muscovy; the subordination of noble and peasant; Orthodoxy, nationalism and the West; modernization and the rise of the "state" concept; enlightened absolutism or noble ascendancy; who is the opposition: bureaucracy or intelligentsia; the cursed question: how to emancipate the peasant; the nature of Russia under the Old Regime. Mr. Macey.

HI 348 RUSSIAN HISTORY FROM THE GREAT REFORMS TO THE PRESENT. Spring.

HI 349 HISTORY OF GERMANY FROM 1648 TO THE TWENTIETH CENTURY. Fall. New Description. The course begins with the rise of the Hohenzollerns and the expansion of Brandenburg-Prussia in the 17th and 18th centuries. It covers the movement of national unification from the revolution of 1848 to the founding of the German Empire. The study of Imperial Germany gives particular attention to the social and political strains and conflicts generated by the attempt to combine a dynamic and industrial society with political authoritarianism and the power and privilege of traditional elites and to Germany's bid for world power leading to the outbreak of the First World War. Miss Lamberti.

HI 350 ENGLISH HISTORY AS A BACKGROUND FOR ENGLISH LITERATURE. Deleted.

(HI 351 THE USES OF BIOGRAPHY)

HI 353 BRITISH HISTORY, 1603-1815. Fall. New Course. The medieval pattern of English society disintegrated in the 17th century. The unity of the English Church, the relationship between Crown and Parliament, even the social hierarchy, were threatened by new developments. After generations of civil war, revolution, and party strife, the 18th century saw the establishment of an oligarchical but more flexible order, able to withstand the challenges of radicalism and the American and French Revolutions. By 1815 Britain, at the peak of its power in Europe, was already beginning to experience the tensions of industrialism. This course will concentrate on the religious, social, and political aspects of these transformations. Mr. Monod.

(HI 354 BRITISH HISTORY, 1815-1979) Offered in 1986-87.

(HI 361 COLONIAL AMERICA)

(HI 362 REVOLUTIONARY AMERICA, 1763-1800)

(HI 363 JEFFERSONIAN AND JACKSONIAN AMERICA, 1800-1848)

HI 364 CIVIL WAR AND RECONSTRUCTION, 1845-1890. Fall. New Description. A close study of the impact of sectional conflict on American political, social, economic, and intellectual life. The course will emphasize and attempt to explain both the transforming nature of the war and the limits of reconstruction. Staff.

HI 367 TWENTIETH CENTURY AMERICA, 1920-1948. Fall. New Description. A study of the political and social history of the United States since the First World War, concentrating on the 1920s, the Great Depression, the New Deal, the coming of World War II, and the impact of war on American domestic and foreign affairs in the 1940s. Mr. Jacobs.

HI 368 TWENTIETH CENTURY AMERICA, 1948-PRESENT. Spring. New Description. A study of the political and social history of the postwar United States, concentrating on the impact of the Korean conflict and McCarthyism on Truman's Fair Deal, the New Frontier, the Great Society, Nixon, The 1970s and the end of American progressivism, and the reemergence of conservatism in the 1970s and 1980s. Mr. Jacobs.

(HI 371 BLACK HISTORY) Offered in 1986-87.

(HI 376 WORKING CLASS IN AMERICAN SOCIETY, 1850-PRESENT)

READING COURSES
(HI 401 READINGS IN EARLY EUROPEAN HISTORY)

HI 403 READINGS IN MODERN EUROPEAN HISTORY. Fall, Spring. New Description. There will be three sections of this seminar, any one of which will fulfill the reading seminar requirement for the major or concentration. The topics and instructors for 1985-86 are as follows:

Fall: MAJOR THEMES IN MODERN EUROPEAN HISTORY. This course will introduce students to some of the major themes in European history from the 18th century to the present. Specific topics will be selected from among the following: the French Revolution, the Industrial Revolution, the triumph of the middle classes, the rise of political ideologies, the emergence of mass society, communism, fascism, religion, education, health, criminality, and the family, women and sex. For those students who are planning to major in European history, this course will also provide the background necessary for the future selection of research topics. Mr. Macey.

Spring: THE JEWS IN MODERN EUROPE, 1760-1914 (HI 403A). A study of the process through which the Jews, isolated on the fringe of society until near the end of the 18th century, integrated into the mainstream of European life. How did the Emancipation--the achievement of the rights of citizenship--and the process of assimilation transform the existence of the Jews? How did they deal with the problem of adapting to their

Christian environment and retaining at the same time a distinctive Jewish identity? How were ancient anti-Jewish prejudices refashioned into new stereotypes? The seminar ends with a study of the rise of Zionism, with special attention given to its ideological appeal to Jewish youth in the late 19th and early 20th centuries. Miss Lamberti.

Spring: BRITISH SOCIETY, 1815-1890 (HI 403B). What were the social effects of being the world's first industrial nation? We will explore that question by examining a number of themes: the experience of urban working class life, the changing values of the aristocracy and the middle classes, the struggles of women, and the labor movement. The new social problems produced by the decline of British power in the 20th century will be discussed in the context of recurring crises of war and economic depression. Throughout the seminar, the extraordinary capacity of this seemingly rigid society to embrace radical change will be emphasized. Mr. Monod.

HI 405 READINGS IN AMERICAN HISTORY. Fall, Spring. New Description. There will be three sections of this seminar, any one of which will fulfill the reading seminar requirement for the major or the concentration. The topics and instructors will be posted outside the History Office (Munroe 301) prior to registration. There will be two sections in the fall and one in the spring. Preference given to majors and concentrators; all others require permission of the instructor and will be admitted only after all majors and concentrators have been accommodated. Staff.

HI 407 READINGS IN AFRICAN HISTORY. Fall. New Description. A study of colonialism in Africa based on novels and associated background readings. Authors include Chinua Achebe, Joseph Conrad, J. M. Coetze, Nadine Gordimer, Sembene Ousman, and Ngugi wa Thiongo. Mr. Spencer.

HI 409 READINGS IN ASIAN HISTORY. Fall. New Description. This seminar will examine aspects of the foreign policy of China from the Opium War in 1840 through the death of Mao Tse-tung in 1976. It will pay particular attention to the question of China's relations with the United States; other topics may include the impact of imperialism and its decline, the rise of the modern revolutionary movement and the second world war, and the development of policy under the Communists since 1949. Mr. Clifford.

HI 411 READINGS IN LATIN AMERICAN HISTORY. Spring. New Course. An extensive and intensive examination of major trends in historical writing on Latin American independence. Equal stress will be placed on the facts of the struggle for independence in Latin America and on how they have been interpreted by historians over time. Examples will be drawn from strictly political and philosophic interpretations and from socio-economic interpretations as well. Similarly, an effort will be made to use the works of Spanish, Spanish-American, and North American scholars. (Students enrolling in this seminar will normally be expected to have taken at least one course--in History or in Spanish--in Latin American history or culture.) Mr. Homick.

(HI 413 TOPICS IN MODERN EUROPEAN HISTORY)

(HI 415 TOPICS IN AMERICAN HISTORY)

RESEARCH SEMINARS
HI 420 WRITING AND RESEARCH IN EUROPEAN HISTORY. Spring.

HI 422 WRITING AND RESEARCH IN AMERICAN HISTORY. Spring.

HI 424 WRITING AND RESEARCH IN NON-WESTERN HISTORY: IMPERIALISM. Spring.

HI 500 SPECIAL RESEARCH PROJECTS. Fall, Spring.

HI 700 SENIOR INDEPENDENT STUDY. Fall, Winter, Spring.

HI 705 TEACHING ASSISTANTSHIP. Fall, Spring.

INTERNATIONAL POLITICS AND ECONOMICS

ITALIAN

See SPANISH/ITALIAN.

JAPANESE

Professor: Hiroshi Miyaji.

The Japanese language program in its initial year offers beginning and intermediate level courses in modern Japanese (Tokyo speech). The program is designed to help students in various disciplines acquire basic communicative skills for the achievement of their academic and career goals. The program does not offer a major. However, students may wish to major in the interdisciplinary East Asian Studies program.

JA 101 BEGINNING JAPANESE. Fall. New Course. An introduction to modern Japanese (Tokyo speech that is the basis of common or standard Japanese). Thorough mastery of basic discourse skills and grammar. Both audio and video tapes will be extensively used to help acquisition of skills. Along with aural-oral practices two sets of kana syllaberies and approximately 100 kanji (characters) will be introduced to develop reading skill, which is reinforced by short compositions. Mr. Miyaji.

JA 102/WT BEGINNING JAPANESE. Winter. New Course. (JA 101.) Mr. Miyaji.

JA 102 BEGINNING JAPANESE. Spring. New Course. A continuation of the fall and winter terms with further coverage of grammar and introduction of additional approximately 100 kanji and more vocabulary. Internalization of grammar and mastery of kanji by aural-oral practices, reading short stories, and writing short compositions. (JA 102/WT.) Mr. Miyaji.

JA 201 INTERMEDIATE JAPANESE. Fall. New Course. The course aims to further advance communicative skills. Japanese will be primarily used for instruction and discussion. Review, consolidation, and practical application of grammatical and lexical knowledge is also an important component of the course. More substantive audio, video, and reading materials will be utilized. Active knowledge of approximately 200 additional kanji is expected. (Prerequisite: JA 102 or equivalent.) Mr. Miyaji.

JA 202 INTERMEDIATE JAPANESE. Spring. New Course. Continuation of 201. By the end of the course, students will be prepared to carry daily conversation with dexterity, and be ready to begin reading materials in the field of specialization. Active knowledge of total about 600, and passive knowledge of approximately 1,000 kanji is expected. Mr. Miyaji.

LINGUISTICS

Assistant Professor: Jeannine Heny.

Courses offered in linguistics at Middlebury are aimed at providing students with a basic introduction to the central goal of the discipline: understanding and analyzing the phenomenon of natural language, often thought of as the most essential of human traits.

Emphasis is placed on a number of key issues: the nature of linguistic knowledge, the acquisition of language, and language use, a term which has both psychological and social implications. A student choosing linguistics courses should become familiar with these issues, and should, in the process, acquire a heightened sensitivity to language.

Students whose major falls under divisions other than Social Sciences may concentrate in linguistics; in addition, students are encouraged to combine linguistics with their other studies in areas such as psychology, sociology, philosophy and foreign languages.

LI 175 USING YOUR LANGUAGE (Formerly FL 175). Spring. See FL section of Catalog for description.

*LI 201 INTRODUCTION TO LINGUISTICS (Formerly FL 201). Fall. NOTE: This course counts as a Foundations Course in the Foreign Languages Division. See FL section of Catalog for description.

*LI 206 THINKING LINGUISTICS (Formerly FL 206). Fall. NOTE: This course counts as a Foundations Course in the Social Sciences Division. See FL section of Catalog for description.

LI 211 SOCIOLINGUISTICS (Formerly FL 211). Spring. See FL section of Catalog for description.

LI 212 PSYCHOLINGUISTICS (Formerly FL 212). Fall. See FL section of Catalog for description.

(LI 215 HISTORICAL LINGUISTICS (Formerly FL 215)) Offered in 1987-88.

(LI 225 SOUND PATTERNS IN LANGUAGE (Formerly FL 225)) Offered in 1986-87.

(LI 295 GERMANIC LINGUISTICS (Formerly FL 295)) Offered in 1986-87.

LI 301 ROMANCE LINGUISTICS (Formerly FL 301). Fall. New Description. Much current linguistic research focuses on data from individual languages, in an attempt to derive general principles which hold for all human languages. These studies deal with problems of relevance not only to linguists, but also to students of particular languages such as French, Spanish and Italian. For example, linguists now have reason to believe that the possibility of leaving out the pronoun subject in Spanish but not in French is an important factor in defining the differences between the two languages. The aim of this course is to study important similarities and differences between the members of the Romance language family, and to relate these to more general properties of language. Reasonable proficiency in one romance language is important for students wishing to participate fully in the course. Ms. Heny.

LI 312 INTRODUCTION TO HISTORICAL AND COMPARATIVE LINGUISTICS. Spring. New Course. This course investigates the behavior of language in a diachronic or historical dimension, exploring sound and form change and retention, especially in reference to the vast Indo-European speech-family which has extended itself from India to Ireland. After a detailed introduction to basic techniques, the course will present texts from little known languages such as oscan ladin, gothic, etc. which the class will proceed to identify and analyze by the comparative method. Some knowledge of two foreign languages is advisable; all students who are interested should speak with the instructor beforehand. (Knowledge of two foreign languages or permission.) Mr. Harris.

LI 500 INDEPENDENT STUDY. Fall, Winter, Spring. New Course. Students with sufficient background may undertake independent study in an area of special interest to them or of particular relevance to their program of study.

See also Department of Psychology and Division of Foreign Languages.

PROGRAM IN LITERARY STUDIES

No significant changes in program description copy.

LS 260 INTRODUCTION TO LITERARY THEORY AND CRITICISM. Spring. (Also listed as CS 260; see Chinese department copy for new description.)

LS 500 INDEPENDENT READING COURSE. Fall.

LS 700 SPECIAL RESEARCH . Winter.

LS 705 SENIOR COLLOQUIUM. Fall. Mr. Bertolini.

MATHEMATICS AND COMPUTER SCIENCE

Professors: Michael Olinick, Bruce Peterson. Associate Professors: John Emerson (chairman), Andrew Fowler, Robert Martin. Assistant Professors: Thomas Copeland, David Dorman, Claudia Henrion, Bruce Sagan, Peter

Schumer. Visiting Assistant Professor: Priscilla Bremser. Visiting Instructor: Janine Clookey.

Major program copy: Replace everything with the following:

The Department of Mathematics and Computer Science offers courses in a variety of areas within the mathematical sciences and computer sciences. These areas include foundations, analysis, algebra, topology, geometry and graphics, applied mathematics, computer science, probability and statistics, simulation and modeling. Accompanying the growth of applications in many fields has been the enrichment of our own programs by the addition and reorganization of the courses offered to accommodate such applications.

Expanded course offerings in the computer sciences make study available to all students seeking an education in these areas. While the curriculum offerings serve the needs of departmental majors who choose to emphasize computer science, various courses are also suited to majors from other areas who choose to concentrate in mathematics and computer science, and to students of the liberal arts who plan to take one or two courses in the computing area.

Our programs are designed to be carefully integrated into the liberal arts traditions of Middlebury College. They serve the needs of four groups of Middlebury College students:

1. those who are interested in mathematics and computer science, but who will not major or concentrate in a field that requires these subjects.

2. those who need mathematics or computer science as an integral part of the chosen major or concentration.

3. those who choose to major in the department and emphasize a traditional study of mathematics and its modern applications, and

4. those who seek a major in the department which emphasizes computer science and integrates it into a liberal study of the mathematical sciences.

MA 103, MA 105, MA 106, and MA 127 are courses designed for students with minimal secondary school background in mathematics. Students who have completed MA 113 are strongly encouraged to enroll in 200-level courses in mathematics and computer science instead of in these courses. MA 103 is a less intensive introduction to computers than MA 213, designed for students outside the Natural Science Division. MA 105 and MA 106 provide introductions to discrete mathematics and statistics for students who lack the prerequisites needed for MA 200, MA 310, MA 311, or MA 315. MA 127 is an elementary course in computer simulation. NS 128 is a foundations course in cryptology that may also be of interest to our students. In addition to this group of introductory courses, the department regularly offers a Winter Term course designed to provide the material, usually encountered in the high school curriculum, that is a prerequisite for the study of calculus. Students who elect this Winter Term course typically elect MA 112 in the following semester.

The major includes a core sequence of analysis, algebra, and discrete mathematics and computer science. Each major chooses to emphasize either mathematics and its applications or computer science and its allied areas. Each student will choose several electives, with the help of an adviser, in order best to fulfill the student's particular mathematical needs and goals.

Core requirements for all majors: MA 113, 200, 201, 203, and 213.

Requirements for Mathematics emphasis: MA 302, 401, four electives at the 200 level or above, and MA 704 in the senior year.

Requirements for Computer Science emphasis: MA 214, 421, 423, three electives at the 200 level or above, and MA 704 in the senior year.

Honors program: A student who wishes to be considered for Departmental Honors in mathematics and computer science must submit a proposed plan of study during his or her junior year. The program should meet the requirements listed above, but must also include an additional elective of an advanced nature. This elective is ordinarily at the 400 level, but certain 300 level courses may be accepted. Students should consult with their adviser as they develop a proposal for Honors study.

Advanced placement: Advanced placement is offered for freshmen whose secondary training indicates they can commonly bypass one or more of the beginning courses in mathematics or computer science. Majors typically begin their study of mathematics in MA 113 or MA 200, and their study of computer science in MA 213 or MA 214. Majors who need to begin the study of calculus with MA 112 may arrange with their adviser as they develop proposal for Honors study.

Joint majors: Mathematics and computer science is frequently elected as a joint or double major with other disciplines. The mathematics component of the joint major typically requires the following courses:

MA 113, 200, 201, 203, 213
One course from MA 302, 401, 421, 423
Two electives
MA 704

A detailed plan of study leading to a joint major is developed by the student and an adviser from each of the departments involved; the plan must gain the approval of each department. Students who wish to pursue the major and to enroll in teacher education as well should consult both the mathematics adviser and the Director of Teacher Education early in their college careers. Students who plan to pursue their studies abroad during the junior year should also plan their course of study in mathematics and computer science by the end of freshman year.

Students majoring in any discipline will obtain a substantial portion of the core curriculum in Computer Science, recommended by the Association for Computing Machinery (ACM), by enrolling in the following courses: MA 213, 214, 323, 421, 423, and either PH 222 or MA 413. Students who have taken introductory computer courses (MA 103 or MA 213) can continue their study of computing by enrolling in MA 127, 214, 225, or 226; each of these courses is well-suited to students not majoring in mathematics and computer science.

Because of the wide variety of course offerings available at other institutions, students wishing to substitute a course from another school for any course in mathematics or computer science must seek approval from the department before registering for the course.

*MA 103 INTRODUCTION TO COMPUTERS. Fall, Spring. New Description. Change final two sentences of description to: Algorithmic development will stress structured programming, stepwise refinement and methods of debugging programs. Students will use the text editing and graphics features of the Middlebury microcomputers. Mr. Schumer, Ms. Bremser, Staff.

*MA 105 FINITE MATHEMATICS: PROBABILITY, MATRICES AND PROGRAMMING. Fall. New Description. Delete Bayes Theorem from course topics. Ms. Clookey.

*MA 106 INTRODUCTION TO STATISTICAL SCIENCE. Spring.

*MA 107 FOUNDATIONS OF MATHEMATICS. Deleted.

MA 111 FROM CONTINUOUS FUNCTIONS TO THE CALCULUS. Deleted.

MA 112 MATHEMATICAL ANALYSIS I. Fall, Spring. New Description. Introductory analytic geometry, trigonometry, and calculus; designed for students with four years of secondary school mathematics. The differential calculus of algebraic functions and applications; the indefinite and definite integral, area under a curve, and volumes of solids of revolution. Staff.

MA 113 MATHEMATICAL ANALYSIS II. Fall, Spring. New Description. A continuation of MA 112; may be elected by freshmen who have had an introduction to analytic geometry and calculus in secondary school. Introduction to natural logarithm and exponential functions. The calculus of the elementary transendental functions. Techniques of integration, infinite series and Taylor's theorem, Polar coordinates, improper integrals, ordinary differential equations. (MA 112 or permission.)

MA 115 CALCULUS FOR THE SOCIAL SCIENCES. Deleted.

MA 127 ELEMENTARY COMPUTER SIMULATION. Spring. New Course. Simulation is a dynamic act of imitation of one or more important features of the behavior of a real world system. The course begins with some simulation examples in gambling, sports, population dynamics and hospital planning and moves on to more complex systems. Among the topics covered are analog and digital approaches, Monte Carlo methods, discrete event simulation, random number generators, deterministic and probabilistic simulation models, verification and validation. Each student will develop, implement, test and validate a simulation project. We will examine some simulation programs written in BASIC and Pacal and learn how to use the powerful simulation programming language SIMSCRIPT. Mr. Olinick.

MA 200 LINEAR ALGEBRA. Fall, Spring. Ms. Bremser, Staff.

MA 201 MATHEMATICAL ANALYSIS III. Fall, Spring. Mr. Dorman.

MA 203 LINEAR ALGEBRA AND DISCRETE STRUCTURE. Spring. New Title and Description. A continuation of MA 200; diagonalization of matrices, quadratic forms, inner product spaces, canonical forms. The Spectral Theorem, Positive Matrices, Convexity, The Cayley-Hamilton Theorem, Set Theory and the Topology of the Real Line. An introduction to graphs and combinatorics, discrete probability, counting and algorithms. (MA 200.) Mr. Peterson.

*MA 213 COMPUTER SCIENCE I. Fall, Spring. New Title and Description. THIS COURSE IS NOW A FOUNDATIONS COURSE. An intensive introduction to computer programming methodology, algorithm design, and data structures using Pascal. The method of structured programming is stressed throughout the course as students learn to design and implement computer-based solutions to problems in several different areas. Topics include basic control structures, files, arrays, procedures and parameters, block structures, sets, records. (MA 112 is recommended but not required.) Mr. Olinick, Mr. Martin, Mr. Emerson.

MA 214 COMPUTER SCIENCE II. Fall, Spring. New Title. Mr. Martin.

(MA 220 GRAPH THEORY AND COMBINATORICS)

MA 222 CONVEX FIGURES. Deleted.

MA 225 SYSTEMS ANALYSIS AND DESIGN WITH MICROCOMPUTERS. Fall. New Course. An introduction to the concepts and techniques employed by Systems Analysts and Project Managers in software design and implementation. Topics included are: preliminary and detailed investigation techniques, general and detailed design criteria, and program implementation and evaluation considerations. Because of the growing impact of microcomputers on society, we will use this technology in support of our studies. Students will use the Rainbow microcomputers and will complete a group project. The course is open to nonmajors, but assumes a background in structured programming in BASIC or Pascal. Mr. Fowler.

MA 226 GEOMETRY AND COMPUTER GRAPHICS. Spring. New Course. The mathematical techniques for creating graphics on the computer. Topics include clipping, perspective, coordinate transformations, hidden surface algorithms, and animation. (MA 201 and at least one course in structured programming.) Mr. Martin.

*MA 227 SET THEORY. Spring. New Description. This course will begin with a review of the basic facts of union, intersection and complementation of sets. We will also study functions, equivalence relations, and orderings in the context of set theory. The main effort will be the

study of ordinal numbers, cardinal numbers, the axiom of choice and transfinite induction. (MA 113 or permission.) Ms. Henrion.

MA 302 ABSTRACT ALGEBRA I. Fall. New Description. Change final sentence of description to: Euclidean domains, principle ideal domains, unique factorization, factorization in a polynomial ring. Mr. Dorman.

MA 310 PROBABILITY. Fall. New Course. An introduction to the concepts of probability and their applications, covering both discrete and continuous random variables. Probability spaces, elementary combinatorial analysis, densities and distributions, conditional probabilities, independence, expectation, variance, Weak Law of Large Numbers and Central Limit Theorem. (MA 200.) Mr. Emerson.

MA 311 STATISTICS. Spring. New Course. An introduction to the mathematical methods of statistical inference. Topics will include: loss function, risk function, parametric and non-parametric problems, estimation, efficiency and the Neyman-Pearson Lemma. Classical tests within the normal theory such as F-test, t-test, and chi-square test will also be considered. Students preparing to take statistics should note that a linear algebra background (MA 200) is helpful in using linear statistical models. There will be some emphasis on applications to problems of other disciplines. (MA 310.) Mr. Emerson.

(MA 315 MATHEMATICAL MODELS IN THE SOCIAL, LIFE AND MANAGEMENT SCIENCES)

(MA 318 SELECTED TOPICS IN OPERATIONS RESEARCH)

(MA 321 ELEMENTARY NUMBER THEORY)

MA 323 COMPUTER SYSTEMS AND ASSEMBLY LANGUAGE PROGRAMMING. Fall. New Description. A detailed study of the hardware and software which make up a computer system. The design and philosophy of several modern minicomputers and microcomputers will be discussed. Emphasis will be placed upon the internal structure and advanced features of the VMS operating system and the VAX minicomputer. Programming in assembly language on the VAX will be taught and used throughout the course. (MA 214.) Mr. Martin.

(MA 324 NUMERICAL ANALYSIS) New Course--to be offered in Fall 1986. Topics dealing with the numerical solution of mathematical problems on the computer such as numerical differentiation and integration, curve fitting, systems of equations, and numerical solutions of differential equations. Extensive programming in FORTRAN 77. (MA 214.) Mr. Martin.

(MA 325 DATA STRUCTURES AND FILE PROCESSING)

(MA 326 ARTIFICIAL INTELLIGENCE) New Course--to be offered in Spring 1987. Introduction to the theory and techniques that enable computers to behave intelligently. Topics include search strategies, constraint propagation, inductive and deductive reasoning, knowledge representation, expert systems, and natural language processing. The course will teach programming in LISP. Assumes at least one course in a structured programming language. Mr. Martin.

(MA 328 ADVANCED TOPICS IN CRYPTOLOGY) New Course--to be offered in Spring 1987. This course will parallel NS 128, offering a more sophisticated approach to those with appropriate mathematics and computer science backgrounds. Topics will be chosen from: the role of cryptology in electronic data processing, block and stream ciphers, the Data Encryption Standard, communication and file security, public key cryptography, host system cryptographic operations, authentication techniques, digital signatures, measures of secrecy for cryptographic systems, information theory, advanced topics in mathematical cryptology. (Permission.) Mr. Martin.

MA 401 ADVANCED CALCULUS. Fall. Mr. Peterson.

(MA 402 ADVANCED CALCULUS)

MA 403 ABSTRACT ALGEBRA II. Spring. New Title and Description. A study of the theory of fields. Algebraic extensions, algebraically closed fields, finite fields, Galois theory, solvability of polynomial equations

by radicals, classic constructability problems. Other topics may include the classical groups, elementary algebraic number theory or algebraic curve theory. (MA 302, or permission from the instructor.) Mr. Dorman.

(MA 413 ORDINARY DIFFERENTIAL EQUATIONS)

MA 421 THEORY OF COMPUTATION. Spring. New Course. An introduction to varied topics in theoretical computer science, including finite state automata, formal languages, Turing machines, and NP-completeness. (MA 214.) Mr. Martin.

(MA 423 ALGORITHMS AND COMPLEXITY)

(MA 431 COMPLEX ANALYSIS)

MA 500 ADVANCED STUDY. Fall, Spring.

MA 704 SENIOR SEMINAR. Fall, Spring. Mr. Dorman, Staff.

MUSIC

Professors: Emory Fanning, George Todd (on leave, Winter and Spring). Assistant Professor: Susan Cook. Visiting Assistant Professor: Gary Towne.

*MU 101 INTRODUCTION TO MUSICAL STYLES. Fall. Staff.

(*MU 105 PERSPECTIVES OF MUSIC)

(*MU 109 RUDIMENTS OF MUSIC)

(MU 120 WORLD MUSIC)

MU 205 PERFORMANCE LAB. Fall, Spring. Mr. Fanning, Staff.

MU 209 THEORY. Fall. Staff.

MU 210 THEORY. Spring. Staff.

MU 220 SURVEY OF MUSIC HISTORY. Fall.

MU 221 SURVEY OF MUSIC HISTORY. Spring.

(MU 230 AMERICAN POPULAR SONG)

(MU 250 INTRODUCTION TO ELECTROACOUSTIC MUSIC)

(MU 290 FUNDAMENTALS OF CONDUCTING)

MU 306 PERFORMANCE CLASS. Fall.

MU 307 PERFORMANCE CLASS. Spring.

MU 309 ANALYSIS. Fall. Staff.

MU 310 ANALYSIS. Spring. Staff.

MU 312 COMPOSITION. Deleted.

MU 320 MASTERS OF THE EIGHTEENTH CENTURY. Deleted.

MU 321 MUSIC IN THE MEDIEVAL AND RENAISSANCE PERIODS. Deleted.

(MU 322 MUSIC IN THE BAROQUE ERA)

(MU 323 MUSIC IN THE CLASSICAL PERIOD)

(MU 324 MUSIC IN THE ROMANTIC ERA)

(MU 325 MUSIC IN THE TWENTIETH CENTURY)

MU 326 MUSIC IN AMERICA. Spring.

MU 327 NEW ENGLAND FOLK SONG. Deleted.

(MU 329 THE STUDY OF MUSICAL INSTRUMENTS)

(MU 330 SYMPHONIC LITERATURE)

(MU 331 HISTORY OF OPERA)

(MU 340 BEETHOVEN AND THE NEW CURRENTS OF THE NINETEENTH CENTURY)

(MU 350 ELECTROACOUSTIC MUSIC COMPOSITION)

MU 390 JUNIOR SEMINAR IN MUSIC HISTORY. Fall.

MU 500 INDEPENDENT STUDY

MU 704 SENIOR WORK

PERFORMANCE STUDIES
Copy remains the same with the following exceptions:
Private instruction in piano/Staff, Ms. Fanning.
Private instruction in organ/Mr. Fanning.
Private instruction in oboe/Deleted.
College Orchestra/Staff.
Chamber Ensembles/Mr. Fanning.

PROGRAM IN NORTHERN STUDIES

NE 151 INTRODUCTION TO THE POLAR ENVIRONMENTS. Fall.

NE 152 PUBLIC POLICY IN THE CIRCUMPOLAR NORTH. Spring. Mr. Howland.

SEMESTERS-IN-RESIDENCE PROGRAMS AT THE CENTER FOR NORTHERN STUDIES. No Change.

FALL SEMESTER-IN-RESIDENCE:
NE 310 PALEOENVIRONMENT AND PREHISTORY OF THE CIRCUMPOLAR NORTH. Mr. S. Young.

NE 320 DYNAMICS AND CHARACTERIZATION OF NORTHERN ECOSYSTEMS. Fall.

NE 330 INDIGENOUS CULTURES OF THE CIRCUMPOLAR NORTH. Fall. Staff.

NE 340 POLAR BIOTA. Fall.

WINTER TERM IN RESIDENCE:
NE 350 WINTER ECOLOGY. Winter. Staff.

SPRING SEMESTER-IN-RESIDENCE:
NE 360 THE POLITICAL ECONOMY OF RESOURCE MANAGEMENT. Spring.

NE 370 NORTHERN POLICY STUDIES. Spring.

NE 380 COMMUNITY DEVELOPMENT IN THE CIRCUMPOLAR NORTH. Spring. Staff.

NE 390 NORTHERN LEGAL ISSUES. Spring.

NE 395 NORTHERN RESOURCE CONFLICTS. Spring.

SEMINAR SERIES. Fall, Spring.

NE 500 INDEPENDENT STUDY

NE 700 SENIOR THESIS

PHILOSOPHY

Professors: Lynne Baker, Stanley Bates, Hiroshi Miyaji, Victor Nuovo (chairman). Assistant Professor: Michele LaRusch.

Major program copy. Replace paragraph 3 with the following:

Departmental Honors: To become a candidate for departmental honors in Philosophy students majoring in philosophy must have a B average and, prior to registration for honors work, must submit to the department a research proposal. Students may register for honors work only after the department has approved their proposal. With departmental approval students may register as honors candidates for two successive terms of PA 500 (normally during the Winter and Spring of their senior year). To receive departmental honors, students must complete a two-term project resulting in a thesis or a set of thematically related papers and receive for their work a minimum grade of B+ and must maintain in all other departmental courses a B average.

Replace paragraph 4 with the following: International Major: Three to four courses, normally including PA 150, PA 180 and two of the following: PA 201, PA 202, PA 250, PA 255, three of four philosophy course credits at a Middlebury School Abroad or an approved equivalent: two-semester senior seminar requirement, plus an advanced course in a language department. Minimum of ten courses.

*PA 150 INTRODUCTION TO PHILOSOPHY. Fall, Spring.

(*PA 170 THE WAY TO REASON) Deleted.

*PA 180 INTRODUCTION TO MODERN LOGIC. Fall, Spring. Ms. LaRusch and Staff.

PA 190 ETHICS AND THE ENVIRONMENT. Spring. New Description. An introduction to aesthetic and ethical attitudes towards nature. An investigation of basic concepts such as beauty, the sublime, goodness, purposiveness, aesthetic and ethical disinterestedness. Special attention will be given to Kant's exposition of these concepts in his third Critique. This course is meant not so much as an introduction to environmental ethics but as a way to bring to light the aesthetic principles that underlie ethics and natural science. In the light of this understanding, environmental problems that require a moral solution shall be examined. Mr. Nuovo.

(*PA 201 ANCIENT AND MEDIEVAL PHILOSOPHY)

(*PA 202 MODERN PHILOSOPHY FROM DESCARTES TO PEIRCE)

(PA 205 HUMAN NATURE AND ETHICS)

(PA 207 CONTEMPORARY MORAL PROBLEMS)

(PA 213 PHILOSOPHY OF RELIGION)

(PA 222 AMERICAN PHILOSOPHY)

(PA 223 INTRODUCTION TO CONTEMPORARY PHILOSOPHY)

PA 230 PHILOSOPHY OF SCIENCE. Fall. New Course. According to a fairly widely held, but largely unexamined view, science is progressive, cumulative, and capable of telling us the objective truth about the world. It is said to be progressive because scientific change is thought to be a succession of better and better theories and not merely a matter of changing tastes, opinions or styles. It is said to be cumulative because earlier theories are thought to contain no truths which are not contained, in some form or other, in later theories. And the claim that science represents the objective truth about the world is again meant to place science on a higher epistemological plane than certain other forms of intellectual inquiry. To what extent are these claims justified? In this course, we shall examine some answers to these questions proposed by both recent and not so recent philosophers and we will test the strength of their claims against specific episodes in the history of science. (Some background in philosophy or natural science. Recommended: PA 180.) Staff.

PA 231 PHILOSOPHY OF HISTORY. Spring.

(PA 233 AESTHETICS)

PA 250 HISTORY OF EARLY MODERN PHILOSOPHY: DESCARTES TO KANT. Spring. New Description. This course will involve a detailed study of the beginning period of modern philosophy from the revival of skepticism in the late 16th century and the emergence of the new scientific world view in the early 17th century until the great finale of the Enlightenment in the work of Immanuel Kant. We shall concentrate on issues related to the theory of knowledge and the theory of reality, in rationalism represented by Descartes, Spinoza and Leibniz, and in empiricism represented by Locke, Berkeley and Hume. However, we shall also discuss some of the moral, political and literary implications of these theoretical issues. Mr. Nuovo.

PA 253 CONFUCIANISM AND THE CONFUCIAN TRADITION IN EAST ASIA. Fall.

PA 255 KIERKEGAARD, MARX AND NIETZSCHE. Fall. New Description. This course will investigate the works of three of the central philosophical and cultural critics of the 19th century. All of these thinkers revolted against the apotheosis of Reason that had occurred in the Enlightenment and that reached its culmination in the works of Hegel. We shall read: Kierkegaard's Repetition, Philosophical Fragments and Concluding Unscientific Postscript; Marx's early essays criticizing Hegel, The Economic and Philosophic Manuscripts of 1844, and other selections concentrating on Marx's philosophical views not his economic analysis; and Nietzsche's The Birth of Tragedy The Use and Abuse of History, Thus Spoke Zarathustra (selections) The Geneology of Morals and Ecce Homo. Mr. Bates.

PA 256 TOPICS IN JAPANESE PHILOSOPHY. Spring.

PA 280 INTERMEDIATE LOGIC. Spring. New Description. This course will investigate topics such as relational predicates, identity and definite descriptions. However, not all of our time will be spent constructing and working within a formal system. We will also explore the history of logic, foundational issues, problems of logical theory, and the newest directions logic is taking. (PA 180 recommended but not required). Ms. LaRusch.

PA 309 PHILOSOPHY OF LAW. Deleted.

(PA 350 METAPHYSICS)

PA 351 THEORY OF KNOWLEDGE. Fall. New Description. An inquiry into the nature of, and possibilities for, knowledge. What is it to know something? How do we attain knowledge? Can we know anything for certain? Readings will be from historical and contemporary sources. Some will deal with the analysis of key concepts such as knowledge, truth, and justification. Others will present arguments for or against particular sorts of knowledge claims - for example, claims to knowledge about materials objects, other minds, or regularities in nature. We will also consider skeptical arguments purporting to show that any sort of knowledge is impossible. Ms. LaRusch.

(PA 352 PHILOSOPHY OF MIND)

PA 353 PHILOSOPHY OF SCIENCE. Deleted. See PA 230, above.

PA 354 PHILOSOPHY OF LANGUAGE. Fall. New Description. This course will introduce the student to both traditional and contemporary theories of meaning and reference. With regard to theories of meaning, we will specifically be concerned with theories of word meaning, theories of sentence meaning, and theories of speaker meaning. With regard to theories of reference we will examine views as to how definite descriptions, proper names and demonstratives function to actually "pick out" particular entities in the world. We will then discuss how the new theories of meaning and reference bear on other important philosophical issues such as analyticity, necessity, trans-world identity, and the theory of natural kinds. Ms. Baker.

SEMINARS
(PA 402 THE PHILOSOPHY OF ARISTOTLE)

(PA 405 LOCKE AND LEIBNIZ)

(PA 406 KANT)

PA 407 HEGEL'S PHENOMENOLOGY. Fall.

(PA 410 WITTGENSTEIN)

(PA 412 CONTEMPORARY POLITICAL LIBERALISM: RAWLS AND DWORKIN)

PA 414 THE NATURE OF BELIEF. Spring. New Course. The seminar will focus on belief and the other so-called propositional attitudes (e.g., desires, intentions), which are identified by how they represent the world. How is the content of such attitudes to be specified? What is the relation between belief and the linguistic meaning of sentences ascribing belief? How do the propositional attitudes figure into various proposals for a science of the mind? The issues, all hotly debated, lie at the intersection of philosophy of language and philosophy of psychology. Ms. Baker.

PA 500 RESEARCH IN PHILOSOPHY. Fall, Spring.

PHYSICAL EDUCATION AND ATHLETICS

Replace Registration Date Information with the following:

Registration Dates	Season	Season Dates
September 9,10,11	Fall	September 16-October 26
October 15,16,17	Winter I	October 28-December 7
December 2,3,4	Winter Program Term	January 6-January 31
February 10,11,12	Winter II	February 17-March 29
March 18,19, 20	Spring	April 7-May 10

Exemption Periods and Tests: No Change.

Fall Tests (September 9,10,11,12 as scheduled)
Sign-up dates are September 5,6,9,10

Winter Tests (February 10,11,12,13 as scheduled)
Sign-up dates are January 21,22,23 and February 10

THERE ARE NO SPRING TESTS.

PHYSICS

Professors: Robert Gould, Frank Winkler (on leave). Associate Professors: Richard Wolfson, Robert Prigo. Assistant Professor: Jeffrey Dunham. Visiting Professor: Jonathan Reichert.

*PH 101 THE NATURE OF THINGS: PHYSICAL REALITY AND HUMAN THOUGHT. Spring. Mr. Prigo and Staff.

PH 105 THE PHYSICS OF SPORT. Fall. New Course. The purpose of this course is to introduce students to Newtonian mechanics, using sports and sporting techniques as examples to illustrate the mechanics concepts. Sports to be addressed in this context will include high jump, pole vault, broad jump, walking, running, shot put, hammer throw, baseball, tennis, football, basketball, discus, karate, boomerang, diving, tumbling, dancing, skiing and many others. Emphasis will be given to establishing a general knowledge of Newtonian mechanics and revealing how such knowledge, when applied to the sporting world, can serve to broaden one's understanding and heighten one's appreciation of sports. (No prerequisites.). Mr. Prigo.

PH 109 MECHANICS. Fall, Spring. Mr. Prigo and Mr. Wolfson (Fall), Staff (Spring).

PH 110 ELECTRICITY AND MAGNETISM. Fall, Spring. Mr. Gould and Staff (Fall), Mr. Wolfson and Staff (Spring).

(PH 145 ELECTRONICS FOR THE INTIMIDATED)

*PH 155 AN INTRODUCTION TO THE UNIVERSE. Fall. Staff.

PH 201 RELATIVITY AND QUANTUM PHYSICS. Fall. Mr. Dunham and Staff.

PH 202 ATOMIC AND NUCLEAR PHYSICS. Spring.

PH 212 APPLIED MATHEMATICS FOR THE PHYSICAL SCIENCES. Spring. Staff.

PH 221 ELECTRONICS FOR SCIENTISTS. Fall.

PH 250 STATISTICAL MECHANICS. Changed to PH 350, see below.

(PH 266 CONTEMPORARY ASTRONOMY AND ASTROPHYSICS)

PH 302 ELECTROMAGNETIC WAVES. Fall.

(PH 320 FLUID DYNAMICS AND PLASMA PHYSICS)

PH 330 ANALYTICAL MECHANICS. Fall.

PH 350 STATISTICAL MECHANICS. (Formerly PH 250.) Fall. Mr. Dunham.

PH 401 INTRODUCTION TO QUANTUM MECHANICS. Spring.

(PH 402 ADVANCED QUANTUM MECHANICS)

(PH 405 NUCLEAR AND PARTICLE PHYSICS)

PH 500 INDEPENDENT STUDY AND SPECIAL TOPICS. Fall, Spring.

PH 705 SENIOR RESEARCH AND THESIS. Fall, Winter, Spring.

PH 750 SENIOR THESIS (ENVIRONMENTAL STUDIES). Deleted.

POLITICAL SCIENCE

Professors: Murray Dry (on leave), Russell Leng, Paul Nelson, Olin Robison. Associate Professors: Eric Davis, David Rosenberg. Assistant Professor: Gary Meyers (on leave). Instructor: Michael Kraus. Visiting Instructor: Peter Minowitz. Plus one faculty member to be hired.

Major Program copy. Under Required for the Major in Political Science, replace copy with: A major must take ten regular fall or spring term political science courses, including: 1) PS 101 or 107; 2) PS 103 or 104 or 208; 3) fulfillment of a field distribution requirement; and 4) completion of the senior program.

Under Senior Program, replace copy with: The senior program consists of a seminar of the major's choice. Each seminar includes advanced work appropriate to the field in which the seminar is offered. The seminars are the 400-level courses below. The seminars are open to juniors and seniors, but preference for admission into these and intensive courses will be given to senior majors.

Under Departmental Honors, delete the final sentence.

Under Independent Study, replace the final two sentences with: They will not substitute for the seminar requirement.

Under International Major, replace copy with: This is a political science major combined with foreign language study abroad. The requirements are: PS 101 or 107; PS 103 or 104 or 208; a year's study at a Middlebury School Abroad or an approved equivalent; an advanced course in the appropriate foreign language department; at least ten political science courses, including those taken abroad.

*PS 101 INTRODUCTION TO POLITICAL SCIENCE. Fall. Mr. Minowitz.

PS 102 THE AMERICAN POLITICAL REGIME. Spring. Mr. Minowitz.

PS 103 INTRODUCTION TO COMPARATIVE POLITICS. Spring. Staff.

PS 104 INTRODUCTION TO AMERICAN POLITICAL PROCESSES. Fall.

*PS 107 POLITICS AND THE STUDIES OF POLITICS. Spring.

POLITICAL THEORY
*PS 101 (See above)

*PS 107 (See above)

PS 200 THEORIES AND METHODS OF POLITICAL ANALYSIS. Deleted.

PS 317 CLASSICAL POLITICAL PHILOSOPHY. Fall.

PS 318 POLITICAL PHILOSOPHY: MODERNITY. Spring.

PS 401 SEMINAR ON POLITICAL PHILOSOPHY: KARL MARX. Spring. Mr. Minowitz.

PS 409 SEMINAR ON POLITICAL PHILOSOPHY. Fall.

AMERICAN POLITICAL INSTITUTIONS
PS 102 (See above)

PS 104 (See above)

PS 208 THE POLITICS OF THE U.S. CONGRESS. Spring.

(PS 305 AMERICAN CONSTITUTIONAL LAW: THE FEDERAL SYSTEM)

PS 306 AMERICAN CONSTITUTIONAL LAW: INDIVIDUAL RIGHTS. Fall. New Description. This course is primarily a study of the Supreme Court's interpretation of the Constitution's Bill of Rights and the Fourteenth Amendment's Due Process clause. The main subjects are the First Amendment freedoms of speech, press, assembly, and religion, the rights of the accused, as protected by Amendments Four through Eight, and other non-criminal rights of due process. Consideration will also be given to philosophic explanations of the nature of individual rights and their relationship to the obligations of citizenship and the powers of American government. A Mock Court exercise is anticipated. (Juniors and seniors with PS 102, or PS 305, or permission.) Mr. Minowitz.

(PS 312 THE POLITICS OF THE FEDERAL BUREAUCRACY)

PS 314 THE POLITICS OF AMERICAN URBAN AREAS. Spring. New Description. Topic for 1986: The City and American Federalism. American cities are losing much of their political independence and autonomy, and are becoming much more dependent on the state and federal governments. In this course, we will study intergovernmental relations in the United States in an attempt to understand the workings of American federalism. Course readings will be drawn from a variety of sources, including Supreme Court decisions, works of political analysis, and government documents. (PS 102 or 104 recommended but not required.) Mr. Davis.

(PS 402 SEMINAR IN CONSTITUTIONAL LAW: LIBERALISM AND CONSTITUTIONALISM)

(PS 410 SEMINAR ON POLITICAL PARTIES AND INTEREST GROUPS IN AMERICA)

PS 425 SEMINAR ON THE AMERICAN PRESIDENCY. Fall. New Description. An in-depth study of the American Presidency. Issues covered include the formation of the Presidency, Presidential power, staffing the Presidency, legislative-executive relations, and the Presidency and foreign policy. Students will be expected to make written and oral presentations in class, and to write a research paper. (Permission.) Mr. Davis.

COMPARATIVE POLITICS
PS 103 (See above)

PS 210 THE POLITICS OF MODERNIZATION IN THE THIRD WORLD. Fall.

PS 220 ASIAN POLITICS. Spring.

PS 225 COMPARATIVE POLITICS: WESTERN EUROPE. Fall. Staff.

PS 227 SOVIET POLITICS. Fall.

PS 328 COMPARATIVE COMMUNISM. Spring.

PS 330 U.S.-ASIAN RELATIONS. Spring. New Course. This course examines the major issues and current policy options in contemporary Asian-American relations. Topics to be investigated are 1) Strategic Alliance and Economic Rivalry between Japan and the United States, 2) Diplomatic Normalization and Economic Reconstruction in U.S.-China Relations, 3) The Causes and Consequences of U.S. Interventions in Indochina and the Current U.S.-Vietnam Stalemate, 4) Strategic and Economic Interests versus Human Rights in Philippine-American Relations. Mr. Rosenberg.

PS 404 THE GLOBAL POLITICAL ECONOMY. Fall.

PS 406 SEMINAR: COMPARATIVE POLITICS. New Title. Term offered and description to be announced. Staff.

INTERNATIONAL RELATIONS AND FOREIGN POLICY
PS 201 INTERNATIONAL POLITICS. Fall.

PS 302 INTERNATIONAL CONFLICT RESOLUTION. Spring.

PS 311 AMERICAN FOREIGN POLICY. Fall. Staff.

PS 405 SEMINAR ON THE CAUSES OF WAR. Fall.

PS 408 SEMINAR ON UNITED STATES-SOVIET RELATIONS. Spring.

PS 412 SEMINAR ON DIPLOMACY. Spring.

INDEPENDENT PROJECTS
PS 500 ADVANCED PROJECTS

PS 700 HONORS

PSYCHOLOGY

Professors: A. Hunt Ewell, David Prouty (chairman). Associate Professor: Marc Riess. Assistant Professor: Bob Osborne.

Major Program copy. Replace paragraph 3 with the following:

Required for the major in psychology: A. Eleven courses in psychology including the following: 1) PY 105, PY 201, and PY 302; 2) three courses from among PY 203, 204, 225, 226, 325; 3) two courses from among PY 207, 208, 301; 4) two PY 400-level seminars; 5) one elective. B. It is understood that exemption from a specific course requirement does not affect the general requirement of the eleven PY course minimum.

Under Senior Program, delete the final sentence.

Under Department Honors in Psychology, replace the third sentence with: PY 302 must be taken before, or during, the term in which the student submits the Honors proposal. And add the following sentence: A minimum of a B+ average in Psychology Department courses is needed for admission to Honors Candidacy.

Under Joint Major in Biology and Psychology, replace copy with: For students interested in this joint major, the requirements are: BI 125, 216, 250 and electives in biology; PY 105, 201, 207, 301, two PY electives, including one 400-level seminar (PY 302 is mandatory for Honors candidacy); three electives chosen with the adviser's approval in chemistry, mathematics or physics.

PY 105 INTRODUCTION TO PSYCHOLOGICAL THOUGHT. Fall, Spring.

PY 201 LOGIC OF STATISTICAL ANALYSIS. Fall.

(PY 202 THE RESEARCH REPORT)

PY 203 SOCIAL PSYCHOLOGY. Fall. New Title. In addition to areas noted, the course will consider sexual behavior and altruism. There are no prerequisites for this course. Mr. Riess.

PY 204 PERSONALITY PSYCHOLOGY. Spring. There are no prerequisites for this course.

PY 207 CONDITIONING AND LEARNING. Spring. There are no prerequisites for this course.

PY 208 MEMORY AND CONCEPTUAL PROCESSES. Fall. There are no prerequisites for this course.

PY 225 CHILD PSYCHOLOGY. Spring. There are no prerequisites for this course.

PY 226 ADULT DEVELOPMENT AND AGING. Spring. New Course. The course concerns itself with the process of physical and psychological development in the human adult within the context of contemporary society. The topics considered include: theories of development and aging, adult cognitive functioning, personality stability and change, sexuality, relationships, and work and leisure. Also considered are the social aspects of aging and death and dying. Mr. Prouty.

PY 301 PHYSIOLOGICAL PSYCHOLOGY. Fall. Staff.

PY 302 RESEARCH METHODS IN PSYCHOLOGY. Spring. New Course. In this course the student will become familiar with the processes involved in the conceptualization, design, ethical analysis, performance, interpretation, and reporting of empirical research in psychology. This will be accomplished through (a) readings, lectures, and discussions on the design, conduct, and reporting of research, (b) replication of a classical psychophysics experiment on visual brightness, (c) performance of an original research project in social/personality psychology, and (d) writing, discussing, and rewriting research reports on the experiments performed. (PY 201 or permission.) 2 hrs. lect., lab. Mr. Riess, Mr. Ewell.

(PY 306 THE EXCEPTIONAL CHILD) Offered in Spring Term 1986-87.

(PY 314 RESEARCH IN SOCIAL AND PERSONALITY PSYCHOLOGY)

PY 325 ABNORMAL PSYCHOLOGY. Fall.

PY 350 DIRECTED RESEARCH IN PSYCHOLOGY. Fall, Spring.

PY 411 CONTEMPORARY ISSUES. Fall.

(PY 415 SELF-PRESENTATION) Offered in Fall 1986-87.

(PY 416 LIMBIC SYSTEM)

(PY 417 PHYSIOLOGICAL BASIS OF LEARNING AND MEMORY)

PY 421 NONVERBAL BEHAVIOR AND COMMUNICATION. Deleted.

PY 426 PSYCHOANALYSIS. Spring.

PY 500 ADVANCED RESEARCH. Fall, Spring.

PY 703 HONORS CANDIDACY. Spring. Change in Description. Replace final sentence with: Decision about the award of departmental honors will be taken after the student submits a thesis. An oral defense of the thesis may be scheduled and is required if the thesis is to be considered for High or Highest Honors.

RELIGION

Professors: Robert Ferm (chairman), Charles Scott, Steven Rockefeller. Associate Professor: Donald Lopez. Assistant Professor: O. Larry Yarbrough. Visiting Assistant Professor: Tomoko Masuzawa. Instructor: Robert Schine.

Under Major Program: replace the first sentence with: "A major in religion must satisfactorily complete ten courses. The required courses are: I.) RE 105 or 280 or 281 (A major may not take RE 280 or 281 and subsequently receive credit for RE 105.); II.) RE 115; III.) RE 110 or 120 (A major may receive credit for only two of the following courses: RE 105, 110, 120); IV.) RE 301 or 302; V.) Three additional seminars.

INTRODUCTORY COURSES
*RE 105 AN INTRODUCTION TO THE ENGLISH BIBLE. Fall.

(*RE 110 FOUNDATIONS OF WESTERN RELIGIOUS LIFE AND THOUGHT) Formerly RE 200.

*RE 115 INTRODUCTION TO EASTERN RELIGIOUS THOUGHT. Fall.

*RE 120 INTRODUCTION TO THE JEWISH, CHRISTIAN AND ISLAMIC TRADITIONS. Spring. New Description. An introduction to the major monotheisms originating in the ancient Near East. Beginning with the Mesopotamian and Egyptian background, the course will examine the early development of these three traditions with special attention devoted to the ideas of creation, history, revelation, messianic expectation, and redemption. Ms. Masuzawa.

*RE 200 FOUNDATIONS OF WESTERN RELIGIOUS LIFE AND THOUGHT. Changed to RE 110, see above.

RE 201 THE JEWISH TRADITION. Fall. New Course. This course will deal with the history of Judaism from the destruction of the Second Temple (A.D. 70) to the present day, using a representative selection of primary sources as a vehicle. Areas to be surveyed include: the Talmudic period; liturgy; the emergence of Jewish philosophy in the orbit of Islam; Kabbalah; attempts to formulate a Jewish "creed"; codification of Jewish law; the age of Enlightenment; Hasidism; the modern branches of Judaism. Mr. Schine.

RE 204 THE CHRISTIAN TRADITION. Fall. New Course. Mr. Ferm. An introduction to the ecclesiastical and theological development of Christianity. The course will begin with the formation of doctrine in the first five centuries. Attention will then be given to the development of Roman Catholicism, Eastern Orthodoxy and the rise of Protestantism. The latter part of the course will deal with the changes that have occurred in the post-enlightenment period and end with some contemporary issues. Mr. Ferm.

(RE 209 THE HINDU TRADITION)

RE 210 THE BUDDHIST TRADITION: INDIA AND TIBET. Fall. New Description. An introduction to the history of Buddhist thought and practice in India and Tibet. The course is designed for both the student with no background in Indian religion as well as for the student interested in exploring the Buddhist tradition at a more advanced and specialized level. The course will deal with such basic topics as the life of the Buddha and the Four Noble Truths as well as the advanced topics of Madhyamika philosophy, Buddhist tantra, the nature of ignorance and wisdom, and the structure of the Hinayana and Mahayana paths. Mr. Lopez.

RE 211 THE BUDDHIST TRADITION: CHINA AND JAPAN. Spring. New Description. This course traces the transformation of Buddhist thought in China and Japan. Beginning with an overview of the development of Indian Buddhism, the course will go on to study the philosophical and religious climate in China upon the entry of Buddhism during the Han Dynasty. From there, the emergence of the great schools of East Asian Buddhism will be traced with special attention being paid to the T'ien T'ai, Hua Yen, and Ch'an schools in China and the Shingon, Pure Land, and Zen schools in Japan. Students with no background in Asian religion may elect this course. Mr. Lopez.

(RE 215 SHINTO: JAPANESE INDIGENOUS RELIGIOUS BELIEFS)

RE 217 GRECO-ROMAN RELIGIONS. Spring. Formerly RE 270...see RE 270 in current Catalog for description.

*RE 220 THE SHAPING OF AMERICAN RELIGIOUS LIFE. Spring.

RE 270 GRECO-ROMAN RELIGIONS. Changed to RE 217, see above.

RE 280 STUDIES IN THE HEBREW BIBLE/OLD TESTAMENT. New Description. An introduction to the Hebrew Scriptures as they reflect the history, institutions and ideas of ancient Israelite culture. Topics will include: the Genesis narratives and Exodus; law codes; the nature of ancient Israelite prayer and cult; the prophetic critique of religion and society; messianic expectation; wisdom literature. The final sessions of the course will be devoted to questions pertaining to the composition and canonization of Scripture, the history of Bible scholarship, and the status of the Hebrew Bible in Jewish and Christian tradition. Mr. Schine.

RE 281 STUDIES IN THE NEW TESTAMENT. Spring.

RE 290 INTERPRETATIONS OF CHRISTIAN BELIEFS. Deleted.

RE 291 RELIGION AND LITERATURE. Fall. New Course. The focal point of the course this term will be the types of religious narrative known as creation myths and legends associated with religious founders and reformers. (Examples will be drawn from various cultures.) Using the works of some contemporary literary theorists as well as by historians of religions, we shall discuss the nature, use, and abuse of such narratives, and further examine the possibility of "modern legends" and "secular mythologies." Ms. Masuzawa.

RE 292 PSYCHOLOGY AND RELIGION. Spring. New Course. A study of selected writings by Freud, Wm. James, Kierkegaard, et al., with an eye to understand the relation and correlation between religion, neurosis, and sexuality. In particular, the religious notion of the law, and of sin, guilt and redemption will be examined in light of the psychoanalytic literature. We shall further inquire to what extent these notions can be understood as psychological categories, and whether or not they are seminal only in patriarchal or father-oriented religions. Ms. Masuzawa.

RE 295 VOICES OF DISSENT, RESISTANCE AND LIBERATION. Fall. New Course. A study of major theologians and Church leaders, Catholic and Protestant, who have been social critics in the 20th century. Among those to be considered are W. Rauschenbusch, R. Niebuhr, M.L. King Jr., and Rosemary Ruether in the U.S.A; Dietrich Bonhoeffer in Germany; de Gruchy, Boesak, and D. Tutu in South Africa; Gutierrez, Segundo, and Dom Helder Camara in South America. Mr. Scott.

SEMINARS IN RELIGION

RE 301 MODERN VIEWS OF GOD AND RELIGIOUS LIFE: THE NINETEENTH CENTURY. Fall. New Description. Studies in the writings of selected 19th century thinkers, including Schleiermacher, Feuerbach, Kierkegaard, and Nietzsche. The course will focus particularly on their respective understanding of the identity of God, the alienation of man, and the relation between religion and ethics, as these issues are reflected upon in the midst of the growing historical consciousness and secular interpretations of religious ideas. (Permission.) Ms. Masuzawa.

(RE 302 MODERN VIEWS OF GOD AND RELIGIOUS LIFE: IN THE TWENTIETH CENTURY)

(RE 303 THEORIES OF RELIGION)

RE 304 JEWISH THOUGHT AND MODERN CULTURE. Spring. New Title and Description. This course will consider how modern Judaism has responded to two major challenges: one posed by Spinoza, who anticipated the Enlightenment by contesting the very validity of revealed religion, and the other posed by the dissolution of traditional Jewish social structures during the process of the "Emancipation" of the Jews. After a review of Spinoza's Theological-Political Treatise and of the process of "Emancipation", the course will examine such redefinitions in the writings of Moses Mendelssohn; Abraham Geiger and the Reform movement, in Neo-Orthodoxy (S.R. Hirsch), in both "cultural" and "political" Zionism, and in the revival of Jewish philosophy of religion. (Permission.) Mr. Schine.

RE 306 THE PURITAN TRADITION IN AMERICA. Fall.

RE 308 SEMINAR IN AMERICAN RELIGIOUS HISTORY. Spring. New Description. Topic for 1985-86: Sects, Cults and Indigenous Religious Groups in American history and a consideration of the growth of conservative religious trends in the recent period. (Permission, or RE 220.) Mr. Ferm.

RE 309 SEMINAR IN BIBLICAL STUDIES. Spring. New Description. Topic: "Romans and the Gospel of John." A careful textual study of two major New Testament books. Attention will be given to the questions raised by first century Christians and the ways in which Paul and the author of the fourth Gospel attempted to deal with them. Mr. Scott.

(RE 310 SEMINAR IN CHRISTIAN THEOLOGY)

RE 311 BUDDHIST PHILOSOPHY. Spring. New Description. The topic for this year's seminar is the development of the major traditions of Buddhist meditation, with special emphasis on the Theravada, Tibetan, and Ch'an/Zen schools. Among the questions considered will be the function of meditation, the relationship between meditation and doctrine, and the extent to which Buddhist meditation may be considered "mystical." Mr. Lopez.

(RE 312 BUDDHIST AND CHRISTIAN ENLIGHTENMENT)

RE 314 SEMINAR IN CHRISTIAN ORIGINS. Fall. New Course. This year the seminar will focus on marriage and the family in Early Christianity. Selected texts dealing with these topics drawn from the New Testament and other early Christian writings will be examined in light of Jewish and Greco-Roman belief and practice. The goal of the seminar will be to discover how an emerging religious community uses and adapts existing social institutions to reflect its developing sense of identity. Mr. Yarbrough.

(RE 335 PSYCHOLOGY AND RELIGION)

(RE 340 SEMINAR IN THE HISTORY OF RELIGION)

RE 500 INDEPENDENT RESEARCH

RE 700 SENIOR RESEARCH FOR HONORS CANDIDATES

Add to the cognate courses:

CL 105 BIBLICAL HEBREW
CL 206 INTERMEDIATE BIBLICAL HEBREW

RUSSIAN

Professor: Robert Baker. Associate Professor: Thomas Beyer (chairman). Assistant Professor: Jane Miller. Lecturers: Alexandra Baker, Judy Olinick.

RU 101 BEGINNER'S RUSSIAN. Fall. Mr. Baker and Staff.

RU 102 BEGINNER'S RUSSIAN. Spring. Mr. Baker and Staff.

RU 104 RUSSIAN FOR READING. Spring.

*RU 151 RUSSIAN LITERATURE'S GOLDEN AGE (1830-1880) (PISTOLS, POETS, PRISONERS AND PROSTITUTES) (IN ENGLISH). Fall.

*RU 152 REVOLUTIONARY LITERATURE IN A REVOLUTIONARY SOCIETY: RUSSIAN MODERNISM (1880-PRESENT) (IN ENGLISH). Spring.

RU 201 INTERMEDIATE RUSSIAN. Fall. Mrs. Baker.

RU 202 INTERMEDIATE RUSSIAN. Spring. Mrs. Baker.

RU 301 RUSSIAN CONVERSATION AND COMPOSITION. Fall.

RU 302 RUSSIAN CONVERSATION AND COMPOSITION. Spring.

RU 311 MASTERPIECES OF RUSSIAN LITERATURE. Spring. Ms. Miller.

RU 321 SOVIET MAN AND HIS WORLD. Fall.

(RU 351 DOSTOEVSKY (IN ENGLISH))

RU 352 TOLSTOY (IN ENGLISH). Fall. New Description. A study of the major works of the literary giant of Russia and the world. The major emphasis will be on discussions of Tolstoy's novels with background lectures on material not available to non-Russian scholars. No knowledge of Russian is required. Staff.

RU 353 RUSSIAN THEATER (IN ENGLISH). Spring. New Description. An overview of Russian theater, from its beginnings in the folk and puppet theater of the Ukraine to modern Soviet drama. Offerings will include the plays of classic 19th century writers such as Gogol, Pushkin, Ostrovsky and Tolstoy; Chekhov and some of his lesser-known contemporaries; experimental works of the Revolutionary era; contemporary Soviet works. No knowledge of Russian is required. Staff.

(RU 354 CHEKHOV (IN ENGLISH))

(RU 356 RUSSIAN LITERATURE OF THE 60's and 70's)

RU 401 ADVANCED LANGUAGE STUDY. Fall.

RU 402 ADVANCED LANGUAGE STUDY. Spring.

RU 500 ADVANCED STUDIES IN LANGUAGE AND LITERATURE. Fall, Spring.

RU 700 SENIOR INDEPENDENT STUDY PROJECT. Fall, Spring.

RU 704 SENIOR SEMINAR. Fall, Spring. Mr. Beyer, Mr. Baker.

RUSSIAN AND SOVIET AREA STUDIES PROGRAM

Participating faculty:
Mr. Baker (Russian), Mrs. Baker (Russian), Mr. Beyer, (Russian),
Mr. Kraus (Political Science), Mr. Liebowitz (Geography),
Mr. Macey (History), Ms. Miller (Russian), Mrs. Olinick (Russian).

A major in the Russian and Soviet Area Studies program seeks to combine proficiency in the Russian language with a solid interdisciplinary background in at least three of the social science disciplines that specialize in this important region, history, politics, and geography. It is expected that students who major in this field will be able to do senior work in one of these fields utilizing their language skills. In most cases, students will fulfill this requirement by means of either a one-semester independent project, RS 500, or a two-semester senior thesis, RS 700.

Requirements: The Russian and Soviet area studies major will be expected to acquire basic language proficiency in Russian. Course work in Russian may be taken at Middlebury during both the regular academic year and in Middlebury's summer intensive program.

Formal admission to the program is dependent on satisfactory grades in either RU 201 or RU 202 or a special qualifying examination. Beginning students of Russian will be expected to take a continuation course during the winter term of their first year. Prospective majors are also encouraged to take an intensive Russian course during the winter term following RU 201.

It is expected that majors in this program will also attend Middlebury's School in the Soviet Union (located at the Pushkin Institute in Moscow). During their senior year, after returning from the Soviet Union, students will be required to complete either a one-semester independent project, a two-semester thesis or a senior seminar when offered in which they will utilize their language skills.

The program offers two paths to the major. However, most students will be expected and encouraged to choose option A. Under this option, students will take 3 years of Russian language, will study for one semester in the Soviet Union, and will complete at least 6 courses in the social sciences (7 if they choose a two-semester thesis). It is expected that only those students who switch into this program too late to study in Moscow will take option B.

OPTION A:
Language: RU 101, RU 102, RU 201, RU 202, RU 301, RU 302;
1 semester at the Pushkin Institute;
and at least 6 additional courses including:

(a) GG 222, HI 347, PS 227 (under normal circumstances, each of these courses should be taken before going to the Soviet Union);

(b) plus 3 additional courses (4 if writing a two-semester senior thesis) chosen from (GG 455), (HI 332), HI 348, (HI 403), PS 328, PS 408, RU 704, RS 500 or RS 700.

OPTION B:
Language: RU 101, RU 102, RU 201, RU 202, RU 301, RU 302
and at least 8 additional courses including:

(a) GG 222, HI 347, PS 227

(b) RU 151 or RU 311 (in Russian), RU 321 (in Russian)

(c) plus 3 courses (4 if writing a two-semester senior thesis) chosen from (GG 455), (HI 332), HI 348, (HI 403) PS 328, PS 408, RU 704, RS 500 or RS 700

Courses in section (b) of both options A and B may vary from year to year depending on staffing. They may also be supplemented by winter term courses offered both by faculty participating in the program and other faculty members, where appropriate. On occasion, a winter term course may also be offered in the Soviet Union.

This program fulfills the concentration requirement. Students are encouraged, however, to take as broad a range of courses as possible when fulfilling their degree requirements.

Course listing:

GG 222 Contemporary Geography of the Soviet Union
(GG 455 Topics in Soviet Geography) Offered in 1986-7.
(HI 332 Central Asian History) Offered in 1986-7.
HI 347 Russian History to the Great Reforms
HI 348 Russian History from the Great Reforms to the Present
HI 403 Topics in European History--Soviet Society) Offered in 1986-7.
PS 227 Soviet Politics
PS 328 Comparative Communism
PS 408 Seminar on United States-Soviet Relations
RU 101 Beginner's Russian
RU 102 Beginner's Russian
RU 201 Intermediate Russian
RU 202 Intermediate Russian
RU 301 Russian Conversation and Composition
RU 302 Russian Conversation and Composition
RU 151 Russian Literature's Golden Age (1830-1880)
(Pistols, Poets, Prisoners and Prostitutes) In English
RU 311 Masterpieces of Russian Literature
RU 321 Soviet Man and His World
RU 704 Senior Seminar

For a complete description of these courses, see the course descriptions listed under the appropriate departments.

RS 500 INDEPENDENT PROJECT. Fall and Spring.

RS 700 SENIOR THESIS. Fall/Winter or Fall/Spring.

SOCIOLOGY/ANTHROPOLOGY

Professors: David Andrews, Rudolf Haerle. Associate Professor: Margaret Nelson (chair). Assistant Professors: Kitty Calavita, Kathleen McDermott (on leave), David Napier (on leave fall term).

INTRODUCTORY COURSES

SA 103 SELECTED TOPICS IN SOCIO-CULTURAL ANTHROPOLOGY. Spring. New Description. This course introduces students to the varieties of human experience in social life and to the differing approaches and levels of analysis used by anthropologists to explain it. Topics include gender roles and kinship, linguistic and belief systems, power and authority,and the organization of production. Ethnographic examples are drawn chiefly from non-Western societies, from simple bands to great agrarian states. The ultimate aim is to enable students to think critically about the bases of their own culture, and about practices and beliefs previously unanalyzed and unexamined. Ms. Basu.

*SA 105 SOCIAL MAN AND SOCIAL ORDER: ISSUES IN FREEDOM AND CONSTRAINT. Fall, Spring.

SA 108 INTERPRETIVE STUDIES IN ARCHAEOLOGY. Fall. Current issues, goals, and research strategies of the major subfields of American archaeology (prehistoric, colonial, urban, and nautical) will be considered; emphasis will be upon a comparative examination of regional interpretive studies, particularly prehistoric society in the Great Basin, Mississippi Valley and the Northeast. Use of artifact collections will supplement lectures. No prerequisites. Ms. Power.

SA 190 THE EVOLUTION OF MAN AND PREHISTORIC CULTURES. Fall.

*SA 191 INTRODUCTION TO WOMEN IN SOCIAL THOUGHT. Fall.

THEORY AND METHOD

SA 205 TOPICS IN SOCIAL THOUGHT--STABILITY AND CHANGE. Fall. This year's topic will be change and stability within the frameworks of a variety of sociological and anthropological theories.

SA 301 THE RESEARCH PROCESS--SOCIOLOGY. Spring.

SA 302 THE RESEARCH PROCESS--ANTHROPOLOGY. Fall.

SOCIAL ORGANIZATION AND COMPARATIVE INSTITUTIONS

SA 315 SOCIOLOGY OF EDUCATION. Spring. There are no prerequisites for this course.

(SA 316 THE SOCIOLOGY OF YOUTH)

SA 345 WORK, LEISURE AND SPORT. Spring. New Description. Major focus on work as a social and organizational phenomenon from two complementary points of view: 1) the sociology of occupations and professions, stressing careers, the process of professionalization and autonomy vs. bureaucratic structure, and 2) industrial sociology, with emphasis on alienation and the conflict of formal and informal structures. Implications of change in the meaning and organization of work for problems of leisure and sport. (SA 105 or permission.) Mr. Haerle.

SA 346 POPULAR MUSIC AND SOCIETY. Deleted.

SA 349 MASS COMMUNICATIONS IN MODERN SOCIETY. Deleted.

SA 370 SOCIOLOGY OF INEQUALITY. Fall. New Description. What are the causes and consequenoes of social inequality? How does the just society distinguish between inequality stemming from invidious ascription and that based on achievement? How are social institutions such as the political-economic system, religion, education, and the family related to such inequalities? This course will consider these and other questions concentrating on inequality based on social class, race and ethnic

identity, and sex. Functionalist and conflict theories of inequality will be contrasted. Ms. Calavita.

SA 380 THE ANTHROPOLOGY OF RELIGION. Deleted.

(SA 384 CROSS CULTURAL PERSPECTIVES OF HEALTH SYSTEMS)

SA 385 MEDICAL SOCIOLOGY. Spring. New Description. An introduction to the social organization of modern medical institutions such as hospitals, clinics and rehabilitation agencies. Problems of communication and role relationships among professionals and between patients and medical personnel. The impact of structures and role relationships on the quality and quantity of medical care and on the use of resources will be examined. Analysis of the sick role and the impact of illness. An exploration of man's social activities - economic, residential, familial - in relation to his health. Ms. Nelson.

SA 387 SOCIOLOGY OF LAW. Spring.

(SA 390 THE SOCIOLOGY OF WOMEN)

(SA 391 ADVANCED TOPICS IN THE SOCIOLOGY OF WOMEN)

SA 408 SOCIOLOGY OF RELIGION. Deleted.

AREA STUDIES
SA 321 NATIVE PEOPLES OF NORTH AMERICA. Spring. New Description. This course focuses on the aboriginal people of the area extending from northernmost Alaska to the central plateau of Mexico (Aztecs). The social and cultural similarities and differences will be examined in the context of cultural evolutionary theory. Texts are in the form of ethnographies, autobiographies and anthropological novels. 3 hrs. lect, 1 hr. film. Mr. Andrews.

(SA 322 NATIVE PEOPLES OF MEXICO, CENTRAL AND SOUTH AMERICA) Offered in Spring Term 1986-87.

(SA 326 LATIN AMERICAN CULTURE AND SOCIETY)

(SA 330 PERSPECTIVES OF AMERICAN SOCIETY AND CULTURE)

SA 335 CHINESE SOCIETY AND CULTURE. Fall. New Description. China serves as a case study in the anthropological analysis of a complex non-Western society. This course will be a survey of the principle institutions and ideas which form the background to modern Chinese society. Topics covered include family and kinship, religion, political and economic systems, and social change. Materials will be drawn from descriptions of traditional, contemporary (including both mainland and Taiwanese settings), and overseas contexts. Ms. Basu.

SA 336 INDIAN SOCIETY. This course examines key aspects of social organization in contemporary India, and the relationship between these institutional structures and their ideological underpinnings. Family life, religious practice, and social and economic organization will be analyzed in both rural and urban settings, and ethnographic examples will attempt to expose students to the great diversity of ethnic and religious groups who comprise Indian society. The course will conclude with a consideration of the effects of economic change and industrialization on traditional institutions. Ms. Basu.

SOCIAL PROCESS AND SOCIAL PROBLEMS
SA 343 AMERICAN COMMUNITY STUDIES. Fall.

(SA 344 URBAN SOCIOLOGY)

SA 348 SOCIOLOGY OF POPULAR CULTURE. Deleted.

SA 351 PSYCHOLOGICAL ANTHROPOLOGY. Deleted.

SA 352 SOCIAL PSYCHOLOGY. Spring.

SA 354 RACE AND ETHNICITY. Fall. New Description. This course examines race and ethnicity as the basis for patterns of social interaction and social inequality in both western and non-western societies. Several current interpretations of ethnicity will be explored, including those which emphasize the institutional structures which support racial and ethnic inequality, conflict and competition over scarce resources and power, boundary definition and maintenance, and solidarity based on shared cultural understandings. Ethnographic examples will be drawn from Asia, Africa and the United States, and will include analysis of both contemporary and colonial settings. Ms. Basu.

(SA 356 ANTHROPOLOGY OF CHANGE AND DEVELOPMENT)

SA 388 DEVIANCE. Fall. New Description. This course will examine and critique the various theories regarding psychological, biological and/or social causes of deviant and criminal behavior. Specific forms of "deviance" to be examined from these theoretical perspectives include: deviant subcultures, juvenile delinquency, mental illness, white collar crime, corporate crime, wife-beating, and rape. To be considered also are the social, economic and political determinants of law creation and enforcement. Emphasis will be placed on the ways deviance theories are tied to more general theories of society. Ms. Calavita.

SA 500 ADVANCED INDIVIDUAL STUDY. Fall, Spring.

SENIOR PROGRAM
SA 700 SENIOR ESSAY. Fall.

SA 710 SENIOR THESIS. Fall, Winter.

SPANISH/ITALIAN

Associate Professors: Alicia Andreu, (chair), Roberto Veguez. Assistant Professors: Ugo Skubikowski, Patricia Zupan. Visiting Assistant Professor: Anthony Tamburri. Instructor: Stephen Homick. Visiting Instructor: Carol Thickstun.

SPANISH
SI 101 INTENSIVE BEGINNING SPANISH. Fall. Delete last line of course description. Mr. Veguez, Staff.

SI 102 CONTINUING SPANISH. Spring. New Description. For students who have successfully completed SI 101, the course emphasizes the control of basic language skills. Ms. Andreu.

SI 201 INTERMEDIATE SPANISH. Fall, Spring. Ms. Andreu, Staff.

SI 219 SELF-EXPRESSION IN SPANISH. Fall, Spring. Ms. Andreu, Staff.

*SI 231 CAPTAINS, KINGS AND CAUDILLOS. Spring. New Description. Heroes and strong men in Hispanic letters have contributed to the sense of identity and community that pervades Spanish-speaking countries and their literary culture. This course will begin with an examination of the geographic, political, historical and anthropological background of caudillismo from the time of Cid to the revolutions of present-day Latin Americas; attention will then turn to its literary manifestations. Readings will include theoretical works on the nature of caudillismo and literary works dealing with both Spain and Spanish America, by Machiavelli, Manrique, Lope de Vega, Diaz del Castillo, Sarmiento, Asturias and Paredes. Mr. Homick.

SI 300 AN INTRODUCTION TO THE STUDY OF HISPANIC LITERATURE. Fall, Spring.

SI 301 THE HISPANIC TRADITION IN LITERATURE. Spring. This course is recommended for but is no longer required of students who wish to go to Spain with the Middlebury program.

SI 303 THE HISPANIC TRADITION IN LITERATURE: SPANISH AMERICAN LETTERS FROM THE NINETEENTH CENTURY TO THE PRESENT. Fall. Deleted the final sentence of the course description. Staff.

(SI 315 EL ARTE DE LA TRADUCCION: PROBLEMAS Y SOLUCIONES)

SI 325 INTRODUCTION TO BRAZIL. Spring. Ms. Thickstun.

SI 330 LATIN AMERICAN CULTURE AND CIVILIZATION. Fall. New Description. An examination of modern Latin America in the light of historical influences and sociological, cultural and regional differences. Mr. Homick.

(SI 402 CERVANTES Y EL "DON QUIJOTE")

(SI 410 THE "MASS MEDIA" IN SPANISH LITERATURE)

SI 420 VIOLENCIA Y PASION. Deleted.

SI 434 CUESTION DE LIBERTAD: EL TEATRO HISPANOAMERICANO MODERNO. Spring. New Course. Representative plays from modern Spanish-American theatre will be analyzed in light of its two most significant themes: the denunciation of social and political constraints placed upon the individual, and the attempt to liberate the dramatic act from narrative conventions. Consequently, this presentation will be complemented by an examination of contemporary experimental techniques which aim to create a total theatrical experience. Students will be encouraged to produce a play as a direct way of understanding the uniqueness of the dramatic genre within literature. Mr. Bejar.

SI 435 TALLER DE TEATRO. Deleted.

SI 436 FILM AND LATIN AMERICAN LITERATURE. Spring. New Course. This course will study the influence of cinematic structures, as exemplified by the films of Luis Bunuel, on the narrative style of several 20th century Spanish American authors: Carlos Fuentes, Gabriel Garcia Marquez, Guillermo Cabrera Infante, Julio Cortazar and Manuel Puig. Ms. Thickstun.

SI 439 DE LA MATERIA A LA MARAVILLA: AVENTURAS DEL CUENTO HISPANOAMERICANO. Fall. New Course. This course will examine Spanish-American literary development as it is reflected in the short story genre. The analysis will include representative texts from the XIX century through the most recent contemporary examples. Our critical readings will focus on the writers' interpretation and coding of the complex socio-political and mythological network which is Spanish-American reality. Their works will be placed in the context of western literary and artistic expressions, as well as in the historical milieux in which they emerged. Mr. Bejar.

SI 440 CULTURE AND IDENTITY IN LATIN AMERICAN LITERATURE. Deleted.

SI 445 THE SPANISH NOVEL FROM VALERA TO DELIBES. Fall. New Description. A study of works written by 20th century novelists such as Cela, Martin Gaite, Matute, Delibes, Garcia Hortelano and Martin Santos. This course will be aimed at analyzing formal and thematic developments in the works of each one of these writers. Ms. Andreu.

(SI 450 WOMEN IN HISPANIC LITERATURE)

SI 500 INDEPENDENT STUDY. Fall, Spring.

SI 700 SENIOR RESEARCH SEMINAR. Deleted.

SI 705 SENIOR HONORS PROJECT. Spring.

ITALIAN
Under The Major, add the following: N.B. Students who enroll in the School in Florence for the full year may transfer a maximum of 7 credits toward the Italian major.

Under Joint Major in Italian, add the following: Senior Work:
All majors are required to enroll in a course for which they will receive senior seminar credit. The requirement may be fulfilled by enrolling in either SI 750 (when offered) or in an advanced course offered by the department for SI 750 credit. In the latter case, students must consult with their advisers to determine which course would be the most appropri-

ate. Normal expectations for senior work include a research paper of no less than twenty pages.

SI 151 INTENSIVE BEGINNING ITALIAN. Fall. Mr. Skubikowski, Mr. Tamburri, Ms. Zupan.

SI 152 INTENSIVE BEGINNING ITALIAN. Spring. Mr. Skubikowksi, Mr. Tamburri, Ms. Zupan.

SI 251 INTERMEDIATE ITALIAN. Fall. Ms. Zupan.

SI 252 ADVANCED ITALIAN. Spring. Mr. Tamburri.

*SI 290 DANTE (IN ENGLISH). Spring.

(*SI 294 THE ITALIAN RENAISSANCE (IN ENGLISH))

(SI 298 THE ITALIANS (IN ENGLISH))

SI 299 LIVING ON THE FRINGE: CHOICE OR NECESSITY? (IN ENGLISH) Fall. New Course. This course will introduce the English speaker to major writers of Modern Italy and the various themes developed in 20th-century Italian narrative. Notwithstanding the apparent diversity of the tests, one of the major criteria for selection is the underlying theme of alienation and marginality: living on the fringe of society because of "an individual feeling or state of dissociation from self, from others, (and/or) from the world at large." Examining the different circumstances which plague the protagonists, we see that their marginal existence may be self-generated or due to an exigency beyond the individual's control. Authors include Giovanni Verga, Italo Svevo, Luigi Pirandello, Giorgio Bassani, Italo Calvino, and Sibilla Aleramo. (Ten freshmen who enroll in this course may take it to fulfill their writing requirement). Mr. Tamburri.

SI 350 CONTEMPORARY ITALIAN CULTURE AND CIVILIZATION. Fall. New Description. This course will examine the impact on Italy of new issues such as feminism, and of unresolved problems such as that of the underdeveloped South, from 1968 to the present. Readings will come from leading Italian daily newspapers and newsmagazines as well as from books dealing with individual problems. Completion of one research project is required. Mr. Skubikowski.

(SI 352 LITERATURE OF THE RENAISSANCE)

(SI 353 ITALIAN ROMANTICISM)

SI 354 EPOCHE DELLA LETTERATURA ITALIANA I: INTRODUZIONE AL PERIODO MODERNO. Fall. New Description. This course acquaints students with the major 19th and 20th century works and movements and develops the students' linguistic, critical and analytical skills. The readings will introduce the genres of prose, poetry and theater within a chronological framework. Special emphasis will be placed on the skill of writing in Italian. Authors to be considered will include: Leopardi, Verga, Aleramo, Pascoli, D'Annunzio, Pirandello, Montale, Ungaretti, Vittorini, Moravia and Ginzburg. Ms. Zupan.

SI 355 EPOCHE DELLA LETTERATURA ITALIANA II: INTRODUZIONE AL MEDIOEVO E AL RINASCIMENTO. Spring. Mr. Skubikowski.

SI 375 ITALIAN CINEMA FROM FICTION TO FILM. Deleted.

SI 459 MODERN ITALIAN FICTION. Fall. New Description. The goal of this course is to introduce the student to a broad field of major Italian novelists of the modern period. Since this is an advanced course within the Italian curriculum, it will be conducted mainly through class discussion: each author, however, will be introduced by one or two formal lectures. Besides form and theme, we shall also investigate technique, intention, and "responsibility" of the modern writer: i.e., how?, why?, and for whom? Works will be chosen from the following authors: Vittorini, C. Levi, Pavese, Sciascia, Ginzburg, and Calvino. Along with selected readings on each author, the student will also familiarize

her/himself with brief selections from Booth, Frye, and Watt. Mr. Tamburri.

SI 484 MODERN ITALIAN POETRY. Spring. New Course. This course will trace the development of modern Italian poetry from Pascoli, and D'Annunzio especially, at the end of the 19th century, to the major movements and poets of the present century. Through a close reading of representative works, we will seek to establish the poetics of "schools" such as the Crepuscolari, Futurists, Vociani, and "hermetics." Special attention will be devoted to the two most influential poetic voices of the century, Ungaretti and Montale (Nobel Prize). Time permitting, we will examine some of the most recent poetic experiments. Mr. Tamburri.

SI 490 DANTE IN ITALIAN. Spring. New Course. Dante's youthful work, La Vita Nuova, will be seen in its relation to his masterpiece; discussions and readings will seek to place Dante in the context of medieval attitudes toward love. Close reading of the Inferno is intended to familiarize the student with the nuances of Dante's style, as well as to facilitate textual understanding of the first cantica. Ms. Zupan.

SI 550 INDEPENDENT STUDY. Fall, Spring.

(SI 750 SENIOR SEMINAR)

TEACHER EDUCATION

Associate Professor: Richard Dollase (chairman). Lecturers: Joanna Hall, Dori Rockefeller, Betsy Thurber.

Major Program Copy. At the end of the first paragraph add: (However, some states now require an examination before certification will be granted.)

From the list of states, delete: Idaho, Kentucky, North Carolina, Oh io, Oklahoma and Washington.

Under Requirements for elementary certification (K-6), replace 5) with: A seminar/workshop or a course on the methods and materials of teaching art and music at the elementary level. (Requirement may be fulfilled by a summer school course or by workshops and the development of unit plans in TE 404 that are taught during the professional semester.

In the list of courses which fulfill the Foundations of Education Course Requirement, add: TE 202 ISSUES OF ADOLESCENT DEVELOPMENT (Secondary School Level Only).

TE 200 FOUNDATIONS OF EDUCATION. Spring.

TE 201 CRITICAL ISSUES IN AMERICAN EDUCATION. Fall.

TE 202 ISSUES OF ADOLESCENT DEVELOPMENT. Spring. New Course. Multiple perspectives on the physical, cognitive and psychosocial transitions related to adolescent development. Drawing upon cross disciplinary studies from psychology, sociology and the field of education, topics considered include adolescent peer culture, adolescent prejudice, new male/female roles, gifted education, juvenile delinquency and learning styles and learning problems of the adolescent. Field work in the secondary school is required. Mr. Dollase.

TE 205 METHODS OF TEACHING LANGUAGE ARTS IN THE ELEMENTARY SCHOOL. Spring.

TE 210 METHODS OF TEACHING MATHEMATICS AND SCIENCE IN THE ELEMENTARY SCHOOL. Fall.

TE 220 TEACHING READING AND STUDY SKILLS IN SECONDARY SCHOOL SUBJECTS. Fall.

TE 305 CONTEMPORARY TOPICS IN HIGHER EDUCATION. Spring.

TE 404 CURRICULUM DEVELOPMENT IN ELEMENTARY SCHOOLS. Fall, Spring.

TE 405-406-407 STUDENT TEACHING IN ELEMENTARY EDUCATION. Fall, Spring.

TE 414 PROBLEMS AND METHODS IN SECONDARY EDUCATION. Fall, Spring.

TE 415-416-417 STUDENT TEACHING IN THE SECONDARY SCHOOL. Fall, Spring.

FIELD EXPERIENCE IN TEACHER EDUCATION: THE TEACHER ASSISTANT PROGRAM. WINTER TERM ONLY. No Change.

THE PROFESSIONAL SEMESTER
Prerequisites to the professional semester:

Replace 1) and 2) with:
1. For elementary certification, successful completion of TE 200 or TE 201 (or an equivalent course in the foundations of education), TE 205, TE 210, and a one-semester course in science.

2. For secondary certification, successful completion of TE 200 or TE201 (or an equivalent course in the foundations of education) and TE 220.

THEATRE, DANCE, AND FILM

Professors: Ted Perry, Chandler Potter. Associate Professor: Douglas Sprigg (chairman). Assistant Professors: Douglas Anderson, Andrea Olsen. Instructors: Bryan Schofield. Technical Director: Richard Forman.

MAJOR PROGRAM

All majors will elect the following core courses. (For courses which have been renumbered, the old number is in parenthesis.)

*TH 116 THE CREATIVE PROCESS
TH 500 JUNIOR INDEPENDENT PROJECT
TH 700 SENIOR INDEPENDENT PROJECT

In addition to this core program, students will elect the designated courses in one area of emphasis.

ACTING/DIRECTING EMPHASIS

Required Courses

TH 102 ACTING I
TH 214 DIRECTING I
EL 321 SHAKESPEARE
PRODUCTION STUDIO: TH 210/220

Studio Courses (choose 3)
TH 202 ACTING II
TH 302 VOICE FOR THE ACTOR
PRODUCTION STUDIO: TH 210/220
TH 400 SPECIAL TOPICS: PERFORMANCE
TH 279 (TH 240) MOVEMENT INTENTIONALITY
TH 276 (TH 216) ANATOMY AND KINESIOLOGY

Drama/Theory Courses (choose 3)
TH 106 INTRODUCTION TO DRAMA STUDY
TH 218 PLAYWRITING I
TH 216 (226) AMERICAN DRAMA
TH 306 TWENTIETH CENTURY EXPERIMENTS
TH 226 (326) MODERN DRAMA
EL 111 EUROPEAN DRAMA
TH 400 SPECIAL TOPICS: DRAMA/THEORY

Cognate Courses (choose 1)
TH 211 SCENE DESIGN
TH 223 LIGHTING DESIGN
TH 228 PLAYWRITING II
DANCE TECHNIQUE CLASS
TH 315 COSTUME DESIGN

DESIGN/PRODUCTION EMPHASIS

Required Courses
TH 221 SCENE DESIGN I
PRODUCTION STUDIO: TH 219/229
AR 101 ART HISTORY

Studio Courses (choose 5)
TH 223 LIGHTING DESIGN
TH 315 COSTUME DESIGN
TH 221 SCENE DESIGN II
PRODUCTION STUDIO: TH 219/229
AR 209 STUDIO I
AR 210 STUDIO II
ADDITIONAL ART STUDIO

Drama/Theory Courses (choose 2)
TH 106 INTRODUCTION TO DRAMA STUDY
TH 216 (226) AMERICAN DRAMA
TH 306 TWENTIETH CENTURY EXPERIMENTS
TH 226 (326) MODERN DRAMA
EL 111 EUROPEAN DRAMA
EL 321 SHAKESPEARE
TH 400 SPECIAL TOPICS: DRAMA/THEORY

Cognate courses (choose 1)
TH 214 DIRECTING I
TH 284 (325) DANCE HISTORY
TH 130 (117) FILM FORM AND SENSE
PRODUCTION STUDIO: TH 210/220

DANCE EMPHASIS

Required Courses
TH 284 (335) DANCE HISTORY
PA 233 AESTHETICS
Three terms of technique above
the 200 level: (260/61, 360/61, 270/71)

Studio Courses
A. Dance: (choose 2)
TH 276 (216) ANATOMY AND KINESIOLOGY
TH 279 (240) MOVEMENT INTENTIONALITY
TH 370 CHOREOGRAPHY
TH 400 SPECIAL TOPICS: DANCE

B. Theatre: (choose 2)
TH 102 ACTING I
TH 223 LIGHTING DESIGN
PRODUCTION STUDIO: 210/220
PRODUCTION STUDIO: 219/220

Cognate Courses
A. Music: (choose 1)
MU 109 MUSICAL LANGUAGE
MU 120 WORLD MUSIC
MU 220/21 MUSICAL HISTORY
MU 301 ELECTRONIC & COMPUTER

B. Art: (choose 1)
AR 101 ART HISTORY
AR 102 MODERN ART
AR 103 FAR EASTERN ART
AR 317 FILM AND MODERNISM

FILM EMPHASIS

Required Courses
TH 130 (117) FILM FORM AND SENSE
TH 231 FILM HISTORY

Film Courses (choose 4)

TH 232 (217) INDEPENDENT CINEMA
TH 330 (317) FILM AND MODERNISM
TH 233 (207) NON-FICTION FILM
TH 234 (237) AMERICAN FILM GENRES
TH 331 (327) FILMS OF ANTONIONI

Cognate Courses
A. Theatre: (choose 2)
TH 102 ACTING I
TH 214 DIRECTING I
TH 218 PLAYWRITING
TH 306 TWENTIETH CENTURY EXPERIMENTS
TH 226 (326) MODERN DRAMA

B. Cultural Background (choose 3)
PA 233 AESTHETICS
EL 401 LITERARY CRITICISM
AL 420 AMERICAN CULTURE
HI 216 MODERN EUROPE
HI 367 20TH CENTURY USA
AR 102 MODERN ART

Honors: No Change.

International Major: No Change.

DEPARTMENTAL COURSES
THEATRE COURSES
TH 102 ACTING I. Fall, Spring. Mr. Sprigg, Mr. Schofield.

TH 106 INTRODUCTION TO DRAMA STUDY: CONTEMPORARY AMERICAN DRAMATISTS. Fall. New Description. An introduction to the explosive new plays of the recent decade. Manet, Shepard, Durang, Guare, Wilson and five other working playwrights are studied in great depth, special emphasis given to defining their unique perspectives on American society. A freshman writing course, the class also looks to these established works as models of clarity and economy. In short, a look at modern theatre, and a look at good writing. (Five slots open to upperclassmen on a permission basis.) Mr. Anderson.

*TH 116 THE CREATIVE PROCESS: THEATRE, DANCE, FILM. Fall, Spring. Mr. Anderson, Mr. Perry.

TH 202 ACTING II. Spring.

TH 211 SCENE DESIGN I. Fall.

TH 214 DIRECTING I. Fall.

TH 218 PLAYWRITING I. Fall.

(TH 221 SCENE DESIGN II)

TH 223 LIGHTING. Spring.

EL/TH 225 SHAKESPEARE'S COMEDIES. Deleted.

(TH 216 AMERICAN DRAMA) Formerly TH 226.

TH 226 AMERICAN DRAMA. Changed to TH 216, see above.

(TH 226 MODERN DRAMA). Formerly TH 326.

TH 228 PLAYWRITING II. Spring.

TH 302 VOICE FOR THE ACTOR. Spring. New Description. Using Kristin Linklater's book, Freeing the Natural Voice as its foundation, the course will introduce students to the physiological basis of voice production. By means of a series of interrelated physical and vocal exercises, students will discover ways of replacing restricting patterns of speech with patterns designed to unlock the voice's full potential for volume, resonance, and expressiveness. In addition, students will study and

present passages of Shakespearean verse in order to explore ways in which their new vocal skills may be used to express their increased intellectual understanding. Mr. Sprigg.

TH 304 TWENTIETH CENTURY EXPERIMENTS. Spring.

TH 315 COSTUME DESIGN. Changed to TH 325, See below.

TH 325 COSTUME DESIGN. Formerly TH 315. Fall. New Prerequisites. (One of the following: TH 116, TH 306, TH 226 or permission.)

TH 326 MODERN DRAMA. Changed to TH 226, see above.

(TH 400 SPECIAL TOPICS)

TH 500 INTERMEDIATE INDEPENDENT PROJECT. Fall, Spring.

TH 700 SENIOR PROJECT. Fall, Spring.

PRODUCTION STUDIOS

TH 210 PRODUCTION STUDIO: ACTING/DIRECTING. Fall.

TH 219 PRODUCTION STUDIO: DESIGN/PRODUCTION. Fall.

TH 220 PRODUCTION STUDIO: ACTING/DIRECTING. Spring. Mr. Anderson.

TH 229 PRODUCTION STUDIO: DESIGN/PRODUCTION. Spring.

DANCE COURSES

TH 160 INTRODUCTORY DANCE. Fall, Spring.

TH 161 INTRODUCTORY DANCE. Fall, Spring. Staff.

TH 216 ANATOMY AND KINESIOLOGY. Changed to TH 276, see below.

TH 240 MOVEMENT INTENTIONALITY FOR THE STAGE. Changed to TH 279, see below.

TH 260 INTERMEDIATE DANCE TECHNIQUE AND CHOREOGRAPHY. Fall.

TH 261 INTERMEDIATE DANCE. Fall. Staff.

(TH 270 INTERMEDIATE BALLET)

(TH 271 INTERMEDIATE BALLET)

TH 276 ANATOMY AND KINESIOLOGY. (Formerly TH 216.) Fall, Spring. Ms. Borg.

TH 279 MOVEMENT INTENTIONALITY FOR THE STAGE. (Formerly TH 240.) Spring. Staff.

TH 284 DANCE HISTORY. (Formerly TH 325.) Fall. Ms. Olsen.

TH 301 DANCE COMPANY OF MIDDLEBURY. Changed to TH 380/381, see below.

TH 325 DANCE HISTORY. Changed to TH 284, see above.

TH 360 ADVANCED DANCE. Fall.

TH 361 ADVANCED DANCE. Spring.

TH 370 CHOREOGRAPHY. Deleted.

TH 380/381 DANCE COMPANY OF MIDDLEBURY. (Formerly TH 301.) Fall, Spring. New Description. The dancers work with the artistic director and guest choreographers as part of a dance company, learning, interpreting, rehearsing and performing dances created for the company repertory. Those receiving credit can expect 4 to 6 rehearsals weekly. Appropriate written work, concert and film viewing and attendance in department technique classes are required. Auditions for company members are held fall semester for the full year. One credit will be given for two terms

of participation. Performances and tour are scheduled for spring break. (Limited to sophomores through seniors, by audition.) Ms. Olsen.

FILM STUDY COURSES

*TH 117 FILM FORM AND FILM SENSE. Changed to TH 130, see below.

*TH 130 FILM FORM AND FILM SENSE. Formerly TH 117. Fall, Spring. New Description. The study of cinema as an examination of the central questions with which it is concerned: What is cinema? What is the nature of the cinematic experience? Why is the nature of cinematic meaning informed by formal properties within the medium? How is cinema informed by issues of politics, society, technology, economics, means of production? Films are screened each week, lecture, discussions. Readings and research papers required. (Open to freshmen, sophomores and juniors only.) Mr. Perry.

TH 207 NON-FICTION FILM. Deleted.

TH 217 INDEPENDENT AND PERSONAL CINEMA. Changed to TH 232, see below.

TH 227 CINEMA AFTER WW II. Deleted.

TH 231 FILM HISTORY AS PERSONA. Spring. New Course. Film history may be studied from many different perspectives, including technological, social, economic, and as stylistic evolution. This course examines the historical development of the medium in and through the contribution of some of the most important directors, among them Antonioni, Bergman, Bresson, Bunuel, Capra, Chaplin, Dreyer, Eisenstein, Ford, Godard, Griffith, Hawks, Hitchcock, Keaton, Kurosawa, Ozu, Lang, Renoir, Rossellini, Welles, Vertov, and Brakhage. One example of each director's work will be screened; lectures will detail the unique contributions which that director has made to the development of film history. Readings will include critical analyses of each director's work and writings by the director. Screenings, lectures, research papers. (TH 130.) Mr. Perry.

(TH 232 INDEPENDENT CINEMA) Formerly TH 217.

TH 234 AMERICAN FILM GENRES. Formerly TH 237. Fall. New Description. Examples of Western, Horror, Science Fiction, Musical and Gangster/Detective film genres are examined in terms of what they reveal about American attitudes, hopes, and fears. Special attention will be given to those films which reflect notions about the American hero, mission, family, self, frontier, capitalism, democracy. Screenings, readings, reports, and research papers (TH 130 or permission.) Mr. Perry.

(TH 235 SIGHT AND SOUND) New Course.

TH 237 AMERICAN FILM GENRES. Changed to TH 234, see above.

TH 317 FILM AND MODERNISM IN THE ARTS. Changed to TH 330, see below.

TH 327 FILMS OF M. ANTONIONI. Changed to TH 331, see below.

(TH 330 FILM AND MODERNISM)

(TH 331 FILMS OF ANTONIONI) Formerly TH 327.

TH 332 WORKSHOP IN FILM CRITICISM. Fall. New Course. Criticism is approached as a unique theoretical and practical task, one which should celebrate and illuminate the critical object yet remain distinct from it. This course examines various approaches to film criticism: psychoanalytic, semiotic, structural, sociological, formal, and humanistic. After studying these different methodologies, students will use the films viewed in the course to prepare critical analyses which then will be discussed in class. Two screenings each week, oral and written reports, readings. (TH 130.) Mr. Perry.

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